

Dobyns-Bennett High School

Course Catalog 2014-2015



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Assurance Statement:

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DOBYNS-BENNETT HIGH SCHOOL

COURSE CATALOG 2014-2015

Dobyns-Bennett High School is a four-year (9, 10, 11, and 12) public secondary school that operates under the policies of the following organizations:

- Kingsport Board of Education
- Rules, Regulations, and Minimum Standards for the Tennessee State Board of Education

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INTRODUCTORY INFORMATION

SPRING PRE-REGISTRATION INFORMATION

Block/Singleton Definitions

Dobyns-Bennett utilizes a modified block schedule. The two types of classes utilized in this type of schedule are Block classes and Singleton classes.

Block classes: 90 minutes per day for 90 days (one semester)

Singleton classes: 50 minutes per day for 180 days (All year)

Block classes and Singleton classes are arranged in one of four possible configurations to create a student's schedule. These configurations are as follows:

ALL BLOCK

	Term 1	Term 2
Block A	Class #1	Class #5
Block B	Class #2	Class #6
Block C	Class #3	Class #7
Block D	Class #4	Class #8

6 Block/2 Afternoon Singleton Schedule

	Term 1	Term 2
Block A	Class #1	Class #6
Block B	Class #2	Class #7
Block C	Class #3	Class #8
Singleton 7	Class #4 ———>	
Singleton 8	Class #5 ———>	

6 Block/2 Morning Singleton Schedule

	Term 1	Term 2
Singleton 1	Class #1 ———>	
Singleton 2	Class #2 ———>	
Block B	Class #3	Class #6
Block C	Class #4	Class #7
Block D	Class #5	Class #8

4 Block/4 Singleton Schedule

	Term 1	Term 2
Singleton 1	Class #1 ———>	
Singleton 2	Class #2 ———>	
Block B	Class #3	Class #7
Block C	Class #4	Class #8
Singleton 7	Class #5 ———>	
Singleton 8	Class #6 ———>	

During pre-registration in the spring, students request exactly eight courses in one of these configurations. **A student's preferred schedule configuration in addition to his/her course requests are simply requests.** Many factors affect the scheduling process and the schedule that a student receives during the summer may differ from his/her original requests.

SELECTING ALTERNATE COURSES

By requiring students to submit alternate courses, Dobyns-Bennett is able to generate a much higher percentage of complete schedules during the summer. Course conflicts frequently arise which keep students from receiving all eight of their course requests. Students experiencing course conflicts who submit appropriate alternate requests will have those alternate courses attempted in their schedule if conflicts arise. Students experiencing course conflicts who fail to submit appropriate alternate requests will receive an incomplete schedule and be forced to find a class in August to fill their open period(s). Open seats in popular courses are extremely scarce in August. Some courses are not available as alternates due to typical over enrollment.

- Advanced Sports
- Art & Design
- Ceramics
- Criminal Justice 1
- Criminal Justice 2
- Culinary 1
- Culinary 2
- Drawing

- Fiber Arts
- Forensics
- Health Science Education
- Journalism
- Painting
- Principles of Cosmetology
- Small Animal Science

AVOIDING SINGLETON PROBLEMS

Freshmen and sophomores should find a wide selection of singleton courses listed in this booklet and on the back of the Course Request Form. Juniors and seniors are likely to find a very limited number of singleton offerings. This problem can be minimized or avoided by following the advice outlined below.

Singleton courses are selected and offered based on enrollment potential. Generally the school offers at least two class sections of each singleton course. Just as students must be scheduled to take singletons in pairs, teachers must be scheduled to teach singletons in pairs. Unfortunately upperclassmen request such a wide variety of courses that it is rare for a junior/senior level course to generate sufficient enrollment to offer two singleton classes. For this reason, the majority of singleton classes are considered freshmen or sophomore classes.

Students who participate in performing arts classes such as band, orchestra, and chorus need to **VERY CAREFULLY** consider their course requests during their freshman and sophomore years. Each year during their high school career these students must have an additional singleton class to accompany their performing arts class. Performing arts students should make every effort to avoid as many courses offered as singletons as possible during their first two years in high school (ex. World History Economics/Personal Finance) so that singleton options remain open for their junior and senior years. **Failure to address this problem in time may result in a student having to drop their performing arts class in order to meet graduation requirements in another area.**

GRADUATION REQUIREMENTS

All students will have access to a rigorous curriculum that includes challenging subject matter, emphasizes depth rather than breadth of coverage, emphasizes critical thinking and problem solving, and promotes responsible citizenship and lifelong learning. Dobyns-Bennett will communicate high expectations to students, parents, business and industry, and the community.

To earn a regular high school diploma from Dobyns-Bennett, students must earn the prescribed 28 credit minimum and have a satisfactory record of attendance and discipline. Credits earned at Ross N. Robinson or John Sevier Middle Schools may not be applied toward the four math credits required for graduation at Dobyns-Bennett.

In complying with Tennessee Department of Education regulations, Dobyns-Bennett will minimize tracking of students by ability, eliminate core classes taught below the college preparation level, and provide all students a challenging course of study.

Curriculum Area	Graduation Requirements
English	4 credits
Math	4 credits
Science	3 credits
Social Studies	4 credits
World Languages	2 credits
Fine Arts	1 credit
Wellness	2 credits
Elective Focus	3 credits
Electives	5 credits
Credits Required for Graduation	28 credits

Curriculum Requirements

All students will pursue a focused program of study preparing them for postsecondary study. While all students may not enter postsecondary training immediately following high school, they must be prepared for lifelong learning.

Students will complete an elective focus of no less than three credits. The elective focus may be in of the following six areas:

- Career and Technical Education
- STEM (Science, Technology, Engineering, and Math)
- Humanities (Social Studies, World Language, and English)
- Fine Arts
- Advanced Placement Courses
- ROTC
- Service Learning

Students completing a CTE elective focus must complete three units in the same CTE program of study.

Curriculum Requirements by Department

Social Studies – 4 credits

- World History, AP Human Geography, or AP European History
- United States Government, Honors United States Government, or AP Government
- Economics or Honors Economics (1/2 credit) or AP Macroeconomics
- Personal Finance (1/2 credit)
- United States History, Honors United States History, or AP United States History

Math – 4 credits

Students must accumulate a minimum of four (4) high school math credits regardless of their level of math mastery when entering high school. Students are required by state guidelines to enroll in a math course during all four years of high school.

For students starting in Algebra 1A:

- Algebra IB, Geometry, Algebra IIB, and one of the following courses
- Statistics
- AP Statistics
- Dual Enrollment Statistics
- Trigonometry/Pre-Calculus
- Bridge Math

For students starting in Geometry:

- Geometry, Algebra IIB, and two of the following courses:
- Trigonometry/Pre-Calculus
- Statistics
- AP Calculus
- AP Statistics
- Dual Enrollment Statistics

For students starting in Algebra IIA (this option is strongly discouraged)

- Algebra IIB and three of the following courses:
- Statistics
- AP Statistics
- Trigonometry/Pre-Calculus
- AP Calculus
- Dual Enrollment Statistics

For students starting in Honors Math

Successful completion of each unified math course will allow students to progress to the next level of unified math.

- Unified / Honors Algebra II
- Unified / Honors Trig/Pre-Cal
- Unified / Analytical Geometry and Calculus
- Unified / AP Calculus BC

Science – 3 credits

Minimum science requirement:

- Biology I, Honors Biology I, or Biology IB
- Chemistry, Honors Chemistry, Physics, or AP Physics.
- Any additional lab science course

English – 4 credits

Minimum English requirement:

- English 9 CP or Honors
- English 10 CP or Honors
- English 11 CP, Honors, or AP
- English 12 CP, , AP, or Dual Enrollment English
- **One computer course** is strongly recommended for all students. A computer course is required for those students wishing to qualify as a TN-VA Scholar.

World Language – 2 credits

The Language requirement includes the successful completion of *two* courses in the same World Language. Many colleges and universities recommend *three* credits in the same World Language for admission purposes.

COLLEGE ENTRANCE EXAMS

Current college entrance examinations include the ACT and SAT. These exams are administered several times per year.

PLAN Assessment

The Tennessee Department of Education requires that all 10th graders will take the PLAN assessment in the fall semester. The PLAN is the follow-up to the EXPLORE and the pre-cursor to the ACT. This test will allow students, parents, and school personnel the opportunity to determine if students are making adequate academic progress toward graduation and either postsecondary education and/or employment.

ACT TESTING

The Tennessee Department of Education requires that all students take the ACT before or during the 11th grade year. The results of this ACT will allow students, parents, and school personnel the opportunity to determine if students are making adequate academic progress toward graduation and either postsecondary education and/or employment.

END-OF-COURSE TESTS

End-of-course examinations will be given in English I, English II, English III, Algebra IB, Algebra IIB, U.S. History, Chemistry and Biology I. The results of these examinations will be factored into the student's grade at a percentage determined by the State Board of Education in accordance with T.C.A. §49-1-302 (2).

The yearly grade for courses with EOCs will be calculated by counting the teacher assigned grades for the course 75% and counting the end-of-course test grade 25%.

STUDENTS TRANSFERRING INTO DOBYNS-BENNETT

The number of credits required for graduation for students who transfer into Dobyns-Bennett is four (4) less than the maximum scheduling potential for their four-year high school career. Students transferring into Dobyns-Bennett with advanced or honors courses on their transcript receive consideration for weighted credit for only those courses that are also taught at an honors or AP level at Dobyns-Bennett. Grade Point Averages for transfer students and their transfer courses are calculated in a manner consistent with the current weighted grading scale at Dobyns-Bennett. The Dobyns-Bennett counselors and administrators are not authorized to add additional points to the honor's and advanced placement courses of transfer students.

GRADUATION RECOGNITION

- Students graduating with honors will be recognized in the graduation program.
- Medals will be worn by those students graduating with a GPA higher than 3.39 as calculated at the end of the 7th semester. Colored ribbons will signify outstanding Honors students, based on the GPA below:

GPA of 3.4 and above- Honors

GPA of 3.7 and above- Cum laude

GPA of 4.0 and above- Magna cum laude

GPA of 4.4 and above- Summa cum laude

Students who score at or above all of the subject area readiness benchmarks on the ACT or equivalent score on the SAT will graduate with honors as well.

Students will be recognized as graduating "with distinction" by attaining a 3.0 weighted grade point average and completing at least one of the following:

- earn a nationally recognized industry certification
- participate in at least one of the Governor's Schools
- participate in an All State musical organizations
- be selected as a National Merit Finalist or Semi-Finalist
- attain a score of 31+ composite score on the ACT
- attain a score of 3 or higher on at least two AP exams
- earn 12 or more hours of transcribed college credit

Students graduating "with distinction" will be noted in the graduation program.

GRADUATION CEREMONY

Seniors must achieve the following to be included in the Graduation Ceremony:

- Successful completion of all curriculum requirements
- Earn all required credits
- Fulfill all financial obligations
- Satisfactory Attendance (No More than 10% Unexcused Absences or Tardies)

*Inappropriate behavior may deem a student ineligible for graduation participation.

SELECTED SCHOOL POLICIES

Weighted Grading System

Students who take Honors level courses will have three (3) points added to their final semester numerical average. Students who take Advanced Placement courses and complete the Advanced Placement Test will have five (5) points added to their final semester numerical average. This internal weighting is consistent with what is allowed for the Tennessee Lottery Scholarship Program, the Tennessee Board of Regents Colleges and Universities, and the University of Tennessee College System. The unweighted (4.0 scale) GPA allows for the internal weighting of the additional three and five points.

The external weighted grade point average will be in place to recognize rigor and strength of schedule for students. This is the grade point average that will be utilized for class rank and submitted to colleges and universities. This average incorporates the internal addition of 3 points for Honors courses and 5 points for Advanced Placement courses. The external rank will incorporate plus (+) grades for the higher numerical ranges for A's, B's, and C's. The grade point average will be calculated and rounded to the thousandths place. This procedure could result in more than one person having the same rank.

Grades issued on the first and third nine weeks report card and on progress reports will not reflect the additional 3 or 5 points. The additional points are reflected on the final semester grade. The final semester grade is the only grade that appears on the transcript.

The grade scales for Honors, Advanced Placement, and all other courses are reflected in the following chart.

Grade	Non-Honors/ Non-AP		Honors		Advanced Placement	
	Grading Scale	Quality Points	Grading Scale	Quality Points	Grading Scale	Quality Points
A+			96-100	4.4	98-100	4.8
A	93-100	4.0	93-95	4.0	93-97	4.0
B+			88-92	3.3	90-92	3.6
B	85-92	3.0	85-87	3.0	85-89	3.0
C+			78-84	2.2	80-84	2.4
C	75-84	2.0	75-77	2.0	75-79	2.0
D	70-74	1.0	70-74	1.0	70-74	1.0
F	0-69	0.0	0-69	0.0	0-69	0.0

Kingsport School Board policy states that a student must take the AP Exam in an Advanced Placement course in order to receive AP level credit. Students who do not take the AP Exam will only receive honors level credit (+3 points) for the course in question.

Weighted Course Listing

AP Level Courses

AP Calculus, AP Computer Science A, AP Unified 12, Unified Math 11, AP Biology, AP Chemistry, AP Physics C, AP Physics I, French V, Spanish V, Latin V, German V, AP Human Geography, AP Macroeconomics, AP European History, AP United States History, AP American Government, AP Psychology, AP English 12, AP English 11, AP Music Theory, AP Statistics, AP Studio Art

Advanced/Honors Level Courses

Unified Math 9, Unified Math 10, Honors Biology, Honors Biology II, Honors Chemistry I, Honors Chemistry II, French III, French IV, Spanish III, Spanish IV, German III, German IV, Latin III, Latin IV, Honors United States History, Honors Economics, Honors Government, Honors Philosophy, Honors English 9, Honors English 10, Honors English 11, Honors Studio Art, Network Essentials I, Network Essentials II, Computer Systems. Additional courses may receive approval for weighted status at a later date.

SCHEDULE CHANGE GUIDELINES

Students wishing to request course changes must contact the Counseling Office (378-8409). **Course requests for the entire school year will be accepted through the Friday of the first week of school.** Requests for teacher preferences are not honored at any time.

During the first week of school and upon the completion of new student enrollment, counselors will consider requests that meet one of the following guidelines:

- A class on the schedule was taken and passed in summer school.
- A class was failed in the second term of the previous year or in summer school that is a prerequisite for a course appearing on the schedule.
- No English or math course appears on the schedule.
- A senior not registered for a required course for graduation.
- Fewer than eight classes appear on the schedule.

- Courses are not sequenced in prerequisite order on the schedule.
- Student wishes to try a more challenging course in English, math, science, or social studies.

The following are not acceptable reasons for requesting a course change:

- Teacher preference.
- Fear of a low grade or course difficulty. (Keep this in mind when registering for Honors and/or AP courses)
- Course not required for graduation.
- Not completed summer reading requirement.
- New employment that is not Work-Based Learning related.

REPEATING A COURSE/IMPROVING GRADE

Students who wish to improve their grade in a course taken at Dobyns-Bennett may repeat that course during the regular school year at Dobyns-Bennett through traditional methods. The term traditional refers to face-to-face teacher lead courses. The term "repeat" indicates that the student is taking a course again for which he/she has previously earned either a passing or failing grade. Only the higher of the two grades is reflected on the transcript and no additional credit is awarded. Your counselor must be aware of your intentions prior to enrolling in a course for which you already have credit. It is not the intention of this policy to allow students to repeat a course taken previously solely for the purpose of improving their GPA. Generally, students are not permitted to repeat a course if they have already taken and passed the next course in the sequence.

Sample situations:

If a student earns a grade of D in a math class as a freshman at Dobyns-Bennett and repeats that same course as a sophomore earning a grade of B, then the grade of D is completely removed from the transcript leaving only the better grade of B.

If a student repeats a course in summer school that he/she has previously failed, the grade earned in summer school is included on the student's transcript, but does not replace the failing grade. (This situation does not meet "regular school year" portion of policy)

If a student earns a failing grade at another school and repeats the course at Dobyns-Bennett, the new grade is recorded, but the failing grade is not replaced. (This situation does not meet the requirement that both the poor grade and improved grade be earned at Dobyns-Bennett.)

If a student earns a poor, but passing, grade at another school and repeats the course at Dobyns-Bennett, the course taken at Dobyns-Bennett is recorded as the official grade and the other school's grade recorded as an elective on the student's transcript.

If a student transfers at the end of the first semester from a school with traditional year-long classes and is unable to take a course at Dobyns-Bennett in a year-long course, the student may re-enroll in the course as a block course at Dobyns-Bennett and earn the grade and credit in this course. The half-credit earned from the previous school may be counted as an elective credit.

Grades earned in non-mainstream programs such as Cora Cox School, ASAP, NTHS, Homebound do not replace grades previously earned. (Although these situations do occur during the "regular school year", they are treated in the same manner as summer school with regard to this policy due to the modified nature of the curriculum.)

SUMMER SCHOOL

Summer school is currently offered on a needs request basis. Specific courses offered during the summer school program are determined by projected student requests. Students are given an opportunity to register for summer school during the last few weeks of the school year. Summer dates and course offerings vary from year to year based on various factors.

NorthEast State Dual Enrollment

Students in this program will complete all Northeast State admission requirements and program entrance requirements (with the exception of the high school diploma) prior to enrolling in college classes.

Advantages

- Students receive collegiate-level instruction while remaining in their own high school environment.
- Students are intellectually and academically challenged, enhancing leadership and social development.
- Students can earn transferable college credits(s) resulting in financial savings for the parents.
- Students receive full library privileges and access to college activities.

Program Entrance Requirements

1. Students must have junior or senior standing in high school.
2. Students must submit a Northeast State application for admission with an application fee and provide a high school transcript and ACT or SAT scores.
3. Students enrolling in general education courses (English composition, history, psychology, etc.) or in courses requiring English or reading as prerequisites must have an ACT sub-score of 18 in English and 19 reading. Students enrolling in selected math course(s) or courses requiring math as a prerequisite must have a minimum ACT sub-score of 19. Students completing the SAT must have a SAT composite score of 920 with minimum scores of 460 in math and 460 verbal.
4. Students seeking to enroll in technical education courses must consult with their high school counselors and Northeast State's Assistant Vice President of Evening and Distance Education prior to enrolling.
5. Courses must be chosen by the student in consultation with the high school counselor or principal and the assistant vice president of Evening and Distance Education.
6. Students may not enroll in more than 12-credit hours per semester without approval of the assistant vice president for Evening and Distance Education.
7. Exceptions to the above criteria must be approved by the high school principal and the vice president for Academic Affairs.

The following information is required to complete your student application file:

- Complete Northeast State On line Application - \$10.00 Application Fee (non-refundable)
- Signed Transcript Request Form
- Provide Official Copy of High School Transcript
- Provide Official Copy of ACT or SAT Scores
- Complete the Family Educational Rights and Privacy Act (FERPA) Form
- Complete the Hepatitis B Immunization Health History Form
- Complete the Online Instructions for the Dual Enrollment Grant Application
(On-Line Application: <https://clipslink.guarantorsolutions.com/StudentSignon/Default.aspx>)

Please read the information regarding Dual Enrollment with NorthEast State in the Dobyns-Bennett Course Catalog. There is a fee involved with this course. Some students may qualify for the Dual Enrollment Grant.

Payment for dual enrollment will be worked out between Northeast State and the student/parent.

If a student fails to maintain a grade of "C" in a Jump Start course, he/she will be required to withdraw from the program. Most institutions receiving transfer credit require that the student earn at least a "C" average on college-level work to be transferred. Although Northeast State students have successfully transferred to numerous colleges and universities, it is the responsibility of students who are not planning to attend Northeast State after high school, to contact the colleges of their choice to ensure transferability of coursework. All grades earned will become a permanent part of the student's academic record at Northeast State. A transcript will not be released by the college until the student has graduated from high school.

Northeast State Dual Enrollment Possible Costs Prices subject to change

NE Online Application: \$10.00

Classes at DB (two classes per semester): \$934.00

Total possible cost: \$944.00

Payments for dual enrollment will be worked out between Northeast State and the student/parents.

Dual Enrollment Grant

If students meet Dual Enrollment qualifications students may qualify for: \$300.00

Students must have been a TN resident for the previous 12 months.

Please see Program Entrance Requirements and Eligibility and Participation Requirements. Must apply on line.

Hope Scholarship

If students meet Hope scholarship requirements for dual enrollment students may qualify for: \$300.00

This is based on a 3.0 HS GPA or 21 ACT Composite. Please see Tennessee HOPE Scholarship eligibility requirements.

Possible Cost Scenarios:

Fall or First Time Dual Enrollment student:

	Total Cost		Total Cost		Total Cost
NE State Dual Enrollment cost	\$ 944	NE State Dual Enrollment cost	\$944	NE State Dual Enrollment cost	\$ 944
Meets Dual Enrollment Grant requirements	-\$300	Meets Dual Enrollment Grant requirements	-\$300	Does Not Meet Dual Enrollment Grant requirements	
Meets Hope Scholarship requirements	-\$300.	Does not meet Hope Scholarship requirements		Does Not Meet Hope Scholarship requirements	
Total cost not including book(s)	\$344	Total cost not including book(s)	\$644	Total cost not including book(s)	\$944

Has taken the Fall or previous Dual Enrollment classes ("Returning Dual Enrollment Student"):

	Total Cost		Total Cost
NE State Dual Enrollment cost	\$944.00	NE State Dual Enrollment cost	\$944.00
Meets Dual Enrollment Grant requirements	-\$300.00	*Does Not Meet Dual Enrollment Grant requirements	
*Meets Hope Scholarship requirements	-\$300.00	*Does Not Meet Hope Scholarship requirements	
Total cost not including book(s)	\$344.00	Total cost not including book(s)	\$944.00

***Must have a 2.75 NE State GPA. If they have lower than a 2.75 NE STATE GPA, they are automatically disqualified from any grant money.**

*Costs may vary for off campus

Dual Enrollment Program (ETSU)

Students who have completed the sophomore year in high school may be eligible to enroll for ETSU courses while in high school. Students admitted as dual enrollment students may be eligible for the Dual Enrollment Lottery Grant. In addition, students may qualify for an ETSU Dual Enrollment Scholarship. Consult your high school for additional information. Tuition may be charged.

Requirements include:

- 3.2 or higher high school GPA on a 4.0 scale
- ACT minimum composite score of 19 with no sub-score below 19 or equivalent SAT (PLAN scores may be used for juniors who have not completed the ACT or SAT)
- Permission of the high school principal or counselor as well as parents to enroll

Dual Enrollment application packets may be obtained from the Office of Admissions or your high school counselor.

Courses completed as a dual enrollment student will appear on both the high school and ETSU transcripts. Continuation in the dual enrollment program includes specific academic requirements.

ETSU Dual Enrollment Scholarship Program

Dual Enrollment students who present a 3.4 or higher high school GPA, may qualify for a Dual Enrollment Scholarship through ETSU. The Dual Enrollment Scholarship is awarded only in combination with the Dual Enrollment Grant.

Dual Enrollment Students may register for no more than 7 semester hours of credit in a given semester. The Dual Enrollment Grant and Scholarship outlined above is applicable only to the first three to four hour course. Additional fees are required for courses in specific programs. A dual enrollment student's eligibility to enroll for courses is determined by Admissions personnel **in consultation with the student, parents, high school officials, and ETSU departmental representatives.**

Dual Enrollment Grant Program (Tennessee Lottery)

Dual Enrollment students may qualify for up to \$600 per academic year (\$300 per semester). Students must maintain a 2.75 cumulative college GPA to continue receiving the Dual Enrollment Grant. Must meet a 3.0 GPA or a 21 composite on ACT.

DB ACCESS PROGRAM **(Access College Credits for Every Student's Success)**

Dobyns-Bennett offers many college credit opportunities for students while in high school. Taking college courses in high school helps prepare the student for college, saves money, and gives the student the confidence of being successful in college. Students can participate in college credit in three ways at DB – Advanced Placement (AP), Dual Enrollment, or Credit by Examination.

AP Courses Offered at Dobyns-Bennett

Language Arts

- AP English Language & Composition
- AP English Literature & Composition

Fine Arts

- AP Studio Art
- AP Music Theory

Math & Computer Science

- AP Calculus AB/BC
- AP Statistics
- AP Computer Science A

Science

- AP Biology
- AP Chemistry
- AP Physics I
- AP Physics C

Social Studies

- AP World History
- AP European History
- AP US History
- AP US Government & Politics
- AP Human Geography
- AP Psychology
- AP Macroeconomics

World Languages

- AP French Language
- AP Spanish Language
- AP Latin: Vergil
- AP German

Dual Enrollment Courses Offered at Dobyns-Bennett

Northeast State Community College

- English Composition I
- English Composition II
- Statistics
- Speech

Tennessee Tech

- Principles of Engineering (PLTW)

TN Department of Education

- Greenhouse Management

Credit by Examination Courses Offered at Dobyns-Bennett

Northeast State Community College University

Principles of Accounting	CPR
Principles of Business	Engineering Graphics
Computer Applications	Blue Print Reading
Electrical	Sanitation and Safety
Criminal Justice	Engine Analysis
Micro Computer Control	DC Fundamentals
Micro Computer Operating Systems	Business Management
Essentials of Web Design	

East Tennessee State

Principles of Accounting I
Business Management
CADD

Advanced Placement Program Expectations

The following chart is meant to give you an idea of how much time a student may be expected to prepare for each of the AP Courses. Time a student spends on assignments also vary depending on their skill level. These are an approximation of time and assignments. Different teachers for the same course may have slightly different expectations but time commitment should be about the same.

Language Arts:

Course Name	Reading per class	Study hours per class	Tests, essays and papers	Major Projects(including summer assignments)
Language and Composition	<ul style="list-style-type: none"> • 3-5 major works per year • Several varied passages/nonfictional excerpts 	½ hour to 1 hour per day	<ul style="list-style-type: none"> • Weekly written responses • 2-3 prompts or timed writing per quarter • A minimum of 1 multiple choice practice test per quarter • Quizzes or tests on terms and reading as needed • Suggested mock exam 	Minimum: <ul style="list-style-type: none"> • 2-4 major projects during school year • A summer assignment is required
Literature and Composition	<ul style="list-style-type: none"> • 2-3 major works per quarter 	½ hour to 1 hour per day	<ul style="list-style-type: none"> • At least 2 AP practice timed writings per quarter • A variety of additional writing assignments per quarter • Two –three tests on major works per quarter • Suggested mock exam 	<ul style="list-style-type: none"> • A summer assignment is required

Fine Arts:

Course Name	Reading per class	Study hours per class	Tests, essays and papers	Major Projects(including summer assignments)
Studio Art	<ul style="list-style-type: none"> • Ongoing visual journal or sketchbook assignments • At home completion of work 	1 hour per day	<ul style="list-style-type: none"> • 6-8 pieces of work per quarter • Attendance is essential • Unfinished class work to be - completed at home 	Development of major assignments to complete a portfolio of art work. The 4 th quarter consists of a portfolio of 24 workshops and submissions.
Music Theory	<ul style="list-style-type: none"> • On average 10-15 textbook pages are covered in class per week 	1-2 hours per day	<ul style="list-style-type: none"> • 3-4 tests per quarter • Weekly aural assessments (listening and singing) • Mid-term and final exam 	<ul style="list-style-type: none"> • Mid-term project • Final composition project

Mathematics and Computer Science:

Course Name	Reading per class	Study hours per class	Tests, essays and papers	Major Projects(including summer assignments)
Calculus AB/BC	5-10 pages	1-2 hours per day	<ul style="list-style-type: none"> • Tests • Quizzes • Communication of mathematical processes and mathematical reasoning is essential. 	<ul style="list-style-type: none"> • Review Notebook • Oral Presentations (AB)
Statistics	5-10 pages	1-2 hours per day	<ul style="list-style-type: none"> • Investigate tasks • Several projects throughout the year • Mid-term exams and final exams • Unit tests and quizzes 	<ul style="list-style-type: none"> • Mini-Tab Projects • Notebook
Computer Science A	<ul style="list-style-type: none"> • 15-20 pages per week from the textbook • Supplemental reading as assigned 	<ul style="list-style-type: none"> • 4 hours per week: • 20% reading and 80% working on assignments 	<ul style="list-style-type: none"> • Unit tests • quizzes • Programming assignments 	

Science:

Course Name	Reading per class	Study hours per class	Tests, essays and papers	Major Projects(including summer assignments)
Biology	<ul style="list-style-type: none"> • 30-50 pages per week (varies per unit) 	1-2 hours per day	<ul style="list-style-type: none"> • Tests and quizzes • Free response writing practice • Assignments vary with units • Lab reports 	
Chemistry	<ul style="list-style-type: none"> • 30-50 pages per week (varies per unit) • 25-30 problems per week 	1-2 hours per day	<ul style="list-style-type: none"> • Tests and quizzes • Free response writing practice • Assignments vary with units • Lab reports 	
Physics I	<ul style="list-style-type: none"> • 30-50 pages per week (varies per unit) • 25-30 problems per week 		<ul style="list-style-type: none"> • Tests and quizzes • Free response writing practice • Assignments vary with units • Lab reports 	
Physics C	<ul style="list-style-type: none"> • 5-15 problems a day • Assigned reading 	1-2 hours per day	<ul style="list-style-type: none"> • Investigative tasks/labs • Projects throughout the year • Tests and quizzes 	

Social Studies:

Course Name	Reading per class	Study hours per class	Tests, essays and papers	Major Projects(including summer assignments)
World History	<ul style="list-style-type: none"> • 15-20 pages per night • Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> • Unit tests/quizzes/practice • AP exams • 3-4 essays per quarter • Special projects which may include papers/presentations 	
European History	<ul style="list-style-type: none"> • 40-60 pages per week • Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> • Unit tests/quizzes/practice • AP exams • 3-4 essays per quarter • Special projects which may include papers and presentations 	
US History	<ul style="list-style-type: none"> • 40-60 pages per week • Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> • Unit tests/quizzes/practice • AP exams • 3-4 essays per quarter • Special projects which may include papers and presentations 	

US Government and Politics	<ul style="list-style-type: none"> 40-60 pages per week Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> Unit tests/quizzes/practice AP exams 3-4 essays per quarter Special projects which may include papers and presentations 	
Human Geography	<ul style="list-style-type: none"> 40-60 pages per week Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> Unit tests/quizzes/practice AP exams 3-4 essays per semester Special projects which may include papers and presentations 	
Psychology	<ul style="list-style-type: none"> 40-60 pages per week Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> Unit tests/quizzes/practice AP exams 3-4 essays per semester Special projects which may include papers and presentations 	
Macroeconomics	<ul style="list-style-type: none"> 40-60 pages per week Supplemental reading as assigned 	1-2 hours per day	<ul style="list-style-type: none"> Unit tests/quizzes/practice AP exams 3-4 essays per quarter Special projects which may include papers and presentations 	

World Languages:

Course Name	Reading per class	Study hours per class	Tests, essays and papers	Major Projects(including summer assignments)
French Language	1-3 pages in French Class	½ -1 hour per day	<ul style="list-style-type: none"> 2-3 tests per quarter Vocabulary and grammar quizzes Listening and reading comprehension Essays formal and informal Recordings in class 	<ul style="list-style-type: none"> Oral presentations Cultural presentations
Spanish Language	1-3 pages in Spanish Class	½ -1 hour per day	<ul style="list-style-type: none"> 2-3 tests per quarter Vocabulary and grammar quizzes Listening and reading comprehension Essays formal and informal Recordings in class 	<ul style="list-style-type: none"> Oral presentations Cultural presentations
German Language	1-3 pages in German Class	½ -1 hour per day	<ul style="list-style-type: none"> 2-3 tests per quarter Vocabulary and grammar quizzes Listening and reading comprehension Essays formal and informal Recordings in class 	<ul style="list-style-type: none"> Oral presentations Cultural presentations
Latin: Vergil	<ul style="list-style-type: none"> Read entire <i>Aeneid</i> in English. Translate 20-30 lines per day. 	½ -1 hour per day	<ul style="list-style-type: none"> Vocabulary and grammar quizzes Formal and informal essays Paper and oral presentation Comprehension tests Figures of speech tests 	

ENGLISH DEPARTMENT

Summer Reading List for 2014-2015

From the appropriate lists below, choose one book, unless noted, to read over the summer. Summer reading selections will be assessed during the first nine weeks through essay or project based methods.

9th Grade Summer Reading List

The Hobbit by J.R.R. Tolkien
A Long Way Gone: Memoirs of a Boy Soldier by Ishmael Beah
Nineteen Minutes by Jodi Picoult
The Book Thief by Markus Zusak
Divergent by Veronica Roth
Sarah's Key by Tatiana de Rosnay

10th Grade Summer Reading List

Fahrenheit 451 by: Ray Bradbury
Enclave by: Anne Aguirre

11th Grade Summer Reading List

The Greatest Generation by Tom Brokaw
The Story Teller by Jodi Picoult
Life is So Good by George Dawson
Have a Little Faith by Mitch Albom
Song of Solomon by Toni Morrison
The Traveler's Gift by Andy Andrews

Students enrolled in Advanced Placement English Language and Composition (11AP English) should consider the question, "What is truth?" Students are expected to read both selections:

- *In Cold Blood* by Truman Capote
- *The Things They Carried* by Tim O'Brien

In addition, students should read one of the following nonfiction selections:

- *Endurance* by Alfred Lansing

I am Malala: The Girl Who Stood Up for Education and Was Shot by the Taliban by Malala Yousafzai
Seabiscuit: An American Legend by Laura Hillenbrand

12th Grade Summer Reading List

Students enrolled in Advanced Placement English Language and Composition (12AP English) should consider the question, "Who am I in the world?" Students must read *both*:

- *Invisible Man* by Ralph Ellison
- *A Gesture Life: A Novel* by Change-rae Lee

The English curriculum standards address language, communication, writing, research, logic, using informational text, media, and literature. Students enroll in College Prep, Honors, Dual Enrollment, or AP English based on teacher recommendation, standardized test scores, and GPA. Summer reading is required as a part of all English classes. The summer reading list is detailed above.

Pre-AP level courses are designed to prepare students for success in Advanced Placement English as a junior and /or senior and to support students in the goal of earning college credit prior to leaving high school.

Advanced Placement classes are college-level classes. The score a student receives on the AP exam given in May as well as the college one chooses to attend determines the amount and type of credit one can earn.

Students can get ahead of the game and earn college credits while still in high school. Credits earned through dual enrollment are typically transferable to all Tennessee Board of Regents colleges/universities. Dual enrollment can help you earn an entire semester of college credit before you even get to college. See your high school counselor for information on how to register for dual enrollment courses.

Four credits in English are required for graduation

- One credit in English 9
- One credit in English 10
- One credit in English 11
- One credit in English 12

ENGLISH DEPARTMENT REQUIREMENTS

English 9 (College Prep)

Grade Level: 9 **Credit:** 1

Block Course Number/Projected Times:

103001 / Varies

Singleton Course Number/Projected Times:

153001 / 7th and 8th singleton only

Prerequisite: *None.*

Summer reading is required as a part of all English courses. This course is for students who plan to continue their formal education after high school either through college or technical training. Students develop reading, writing, research, and speaking skills. Students write in a variety of modes.

English9 Pre-AP (formerly Honors)

Grade Level: 9 **Credit:** 1

Block Course Number/Projected Times:

303001 / Varies

Singleton Course Number/Projected Times:

353001 / 1st and 2nd singleton only

Prerequisite: *Teacher Recommendation, meeting the College Readiness Benchmark on the Explore Test (English subscore of 13 or greater) and an 8th grade English average of at least a "B".*

Summer reading is required as a part of all English courses. This course is for freshmen who have demonstrated above-average proficiency in language arts. The reading and writing requirements of this course are more rigorous than English 9 CP and are designed to prepare students for eventual success in Advanced Placement English as a junior and/or senior. Students write in a variety of modes. Students write papers and demonstrate oral presentation techniques.

English 10 (College Prep)

Grade Level: 10 **Credit:** 1

Block Course Number/Projected Times:

103002 / Varies

Singleton Course Number/Projected Times:

153002 / 1st and 2nd singletons

Prerequisite: *English 9 College Prep or English 9 Pre-AP*

Summer reading is required as a part of all English courses. This course is for students who plan to continue their formal education after high school either through college or technical training. Students read and trace major themes in literature.. The study includes an emphasis on regional, cultural, and environmental awareness. Students write in a variety of modes. Students write papers and demonstrate oral presentation techniques.

English 10 Pre-AP (formally Honors)

Grade Level: 10 **Credit:** 1

Block Course Number/Projected Times:

303002 / Varies

Singleton Course Number/Projected Times:

353002 / 7th and 8th singleton

Prerequisite: *English 9 Pre-AP; Completion of outside reading assignment prior to first class meeting. English 9 College Prep with teacher's recommendation. Summer reading is required as a part of all English classes.* This course is for sophomores who have demonstrated above-average proficiency in language arts. The reading and writing requirements of this course are more rigorous than English 10 CP and are designed to prepare students for eventual success in Advanced Placement English as a junior and/or senior. Students trace major themes in literature and literary nonfiction. The study of literature includes an emphasis on cultural and environmental awareness. Students also write in a variety of modes and demonstrate oral presentation techniques. Preparatory materials for college admission tests are integral parts of this course. Vocabulary development is also emphasized.

English 11 (College Prep)

Grade Level: 11 **Credit:** 1

Block Course Number/Projected Times:

103003 / Varies

Singleton Course Number/Projected Times:

153003/ 7th and 8th singleton

Prerequisite: *English 10 College Prep or English 10 Pre-AP.*

Summer reading is required as a part of all English courses. This course is for students who plan to continue their formal education after high school either through college or technical training. Students write in a variety of modes including the formal research paper and demonstrate oral presentation techniques. The course emphasizes selections from American literature and foundational American documents. Elements of style, research and vocabulary are stressed.

English 11 (Pre-AP)

Grade Level: 11 **Credit:** 1

Block Course Number/Projected Times:

303003 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton.

Prerequisite: *English 10 Pre-AP or English 10 College Prep with teacher's recommendation; Completion of outside reading assignment prior to first class meeting. Summer reading is required as a part of all English courses..*

This course is for juniors who have demonstrated above-average proficiency in language arts. The reading and writing requirements of this course are more rigorous than English 11 CP and are designed to prepare students for eventual success in Advanced Placement English as a senior. Students read selections of American literature and foundational documents from the 1700's to the present. Students write in a variety of modes including the formal research paper. This course emphasizes elements of style, writing strategies, and vocabulary. Upon completion of this course, students will enroll in AP English 12 or Dual Credit English for their senior year.

English 11 (Advanced Placement) Language and Composition

Grade Level: 11 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block.

Singleton Course Number/Projected Times:

513013 / 1st and 2nd Singleton

523013/ 7th and 8th Singleton

Prerequisite: *English 10 Pre-AP or English 10 CP with teacher recommendation) Summer reading is required as a part of all English courses.*

A course intended to substitute for college-level English, AP English Language and Composition engages students in studying prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. *The overarching objective in this course is to enable students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives.* Students will analyze and interpret samples of good writing; apply effective strategies and techniques in their own writing; create and sustain arguments based on readings, research, and/or personal experience; write for a variety of purposes and audiences; receive instruction in standard written English and stylistic maturity; learn to cite primary and secondary sources; move effectively through the stages of the writing process; analyze image as text; and evaluate and incorporate reference documents into researched papers. This course will demand a significant investment in time and intellect.

English 12 (College Prep)**Grade Level:** 12 **Credit:** 1**Block Course Number/Projected Times:**

103005 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton.

Prerequisite: *English 11 College Prep or English 11 Pre-AP.*

Summer reading is required as a part of all English courses. This course is for students who plan to continue their formal education after high school either through college or technical training. The course emphasizes selections from British literature. Emphasis is placed on writing, research, oral presentation, vocabulary development, and the college application process.

English 12 (Advanced Placement) Literature and Composition**Grade Level:** 12 **Credit:** 1**Block Course Number/Projected Times:**

Not offered as block

Singleton Course Number/Projected Times:513014 / 1st and 2nd Singleton523014/ 7th and 8th Singleton

Prerequisite: *English 11 Honors or AP; English 11 College Prep with teacher's recommendations; Completion of outside reading assignment prior to first class meeting. Summer reading is required as a part of the AP preparation.*

The AP English Literature and Composition course provides students with the opportunity to use close readings of texts in order to further their understanding of how a writer's use of language—its structure, style, themes, and other elements such as the use of figurative language, imagery, symbolism and tone—bring both "meaning and pleasure" to the reader. This means that students will conduct an intensive study of representative works from various genres and periods (focus given to Western Lit between 16th century and contemporary times), concentrating on works of recognized literary merit. The AP English Literature and Composition Development Committee "believes that such reading should be accompanied by thoughtful discussion and writing about those books in the company of one's fellow students" ("The Course" 1). Therefore, students will read deliberately and thoroughly allowing students not only to reflect on a work's artistry, but also the social and historical values in order to make "an interpretive conclusion about the meaning and value of a piece of writing" (2).

Writing assignments may be either of a critical or creative nature. However, most assignments will focus on the critical analysis of literature and include expository, analytical writing. The goal is for students to write clearly, cogently, and elegantly what they understand about literary works and why they interpret them as they do. Therefore, a focus will be given to developing and using appropriate vocabulary, using a variety of sentence structures, logical organization of a text through the use of special techniques, and a balance of detail with the effective use of rhetoric.

English Composition I (Northeast State ENGL 1010) (paired with ENGL 1020)**Grade Level:** 11-12 **Credit:** 1**Block Course Number/Projected Times:**113005 / Fall Term 1st Quarter**Singleton Course Number/Projected Times:**

Not offered as Singleton

Prerequisite: *Minimum ACT English sub-score of 18 and reading sub-score of 19.*

Composition I introduces expository writing with particular emphasis on critical thinking and argumentation. Successful students master the entire writing process, including research techniques for the production of a formally documented paper. With successful completion of this course, students will earn 3 credit hours from Northeast State. This course is an approved course for the Tennessee Board of Regents and Northeast State's General Education Core and is designed for transfer. This course will count as an English elective. There is a fee involved with this course.

English Composition II (Northeast State ENGL 1020) (paired with ENGL 1010)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

123005 / Fall Term 2nd Quarter

Singleton Course Number/Projected Times:

Not offered as Singleton

Prerequisite: *Minimum ACT English sub-score of 18 and reading sub-score of 19.*

Composition II focuses on effective expository writing techniques through reading, analyzing and interpreting short fiction, drama, poetry, and non-fiction. Critical thinking, argumentation and logic are emphasized. With successful completion of this course, students will earn 3 credit hours from Northeast State. This course is an approved course for the Tennessee Board of Regents and Northeast State's General Education Core and is designed for transfer. This will count as the English 12 requirement for graduation. There is a fee involved with this course.

ENGLISH DEPARTMENT ELECTIVES

Students may enroll in the following courses in addition to their four required English courses. Elective courses may not be substituted for any of the four required courses.

ACT English

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

203097 / Varies

Singleton Course Number/Projected Times:

Possible singleton offering if need dictates.

Prerequisite: **An ACT Reading score of less than 22 and/or an ACT English score of less than 19. Explore scores of less than 14 in English and/or 17 in reading will be used if no ACT is available.**

This course covers strategies for taking the ACT. Students take practice tests and learn grammar, reading, and editing skills necessary for successful performance on the test. Students study rules for correct writing, review common errors in sentence structure, and focus on improving personal writing skills. Students also study vocabulary with an emphasis on commonly misused words.

Bible As Literature (not offered 2014-15)

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

183097/ Varies

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *None*

This course provides students an opportunity to study different forms of Bible literature and works that relate to Bible sources. Major aspects of Biblical content and the major literary themes found in the Bible are the focus of study. The course is reading intensive. Students will produce writing assignments and oral presentations.

Gothic Literature/Edgar Allan Poe Studies

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

163097/ Varies

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *None*

Students analyze Gothic elements of famous literary genius. Students study prevalent themes, symbols, and allusions found in Poe's works. Both mysteries and stories of the supernatural are included. A study of Poe's life is an integral part of this course. Other authors may include Mary Shelley, Bram Stoker, Shirley Jackson, Nathaniel Hawthorne, and Washington Irving.

Journalism-Newspaper

Grade Level: 9-12 **Credit:** 1 **Block Course Number/Projected Times:**

Not offered as block

Singleton Course Number/Projected Times:

153008 / 7th and 8th Singleton only (Students interested in serving as editor sign up for both)

Prerequisite: *Formal application to the newspaper advisor (Appendix); Acceptance letter from the Arrowhead advisor.*

Students enrolled in this course focus on various aspects of journalistic work from writing to publication. Examples of writing include news, features, sports, entertainment, editorials, and columns. In addition, students participate in interviews, business management, advertising sales, photography work, computer graphics design, and newspaper layout. Students also participate in the publication of the school newspaper, *The Arrowhead*. In addition to the print version of the newspaper, students also publish an e-edition of the student newspaper available for viewing at www.dbarrowhead.com. All interested students should complete an application as well as obtain required teacher recommendations. These forms are available online via the D-B website or *The Arrowhead* website (www.dbarrowhead.com) and may also be obtained from the advisor, Mrs. Haren, in room 286 in the English Pod or from their middle school counseling office. For the 2014-2015 school year, the deadline for application submission is February 21, 2014 for grades 10-12 and May 1, 2014 for 9th graders.

Journalism-Yearbook

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

D Block (only for those students unable to enroll in singletons)

Singleton Course Number/Projected Times:

163008 / 7th and 8th Singletons only

Prerequisite: *Formal application (requiring two teacher recommendations) to the Maroon and Grey advisor (appendix); Local business ad sales required prior to the beginning of the school year (due July 25, 2014)*

Yearbook journalism is a course in which students plan and produce the yearbook. Students learn layout design, computer skills, editorial management skills, and journalistic writing—punctuality and strong work ethic are necessary, as deadlines must be met throughout the school year. An emphasis is placed on the use of graphic design software, and knowledge of the Photoshop software package is beneficial. Students are required to sell business ads prior to the start of school. For the 2014-2015 school year, the application submission deadline is February 21, 2014 for grades 10-12.

Mythology

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

213097 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course involves the study of the mythology and drama of the Ancient Greek and Roman civilizations as well as the mythologies of the cultures of the world to recognize shared archetypes and themes, including creation, metamorphosis, the cycle of life, the quest, and the afterlife and their impact on contemporary literature. Students are required to read selections of ancient and contemporary literature. Performance and traditional assessments are used to evaluate student progress.

Oral Communications

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103015 / Varies

Singleton Course Number/Projected Times:

Not offered as Singleton

Prerequisite: *None*

This course focuses on developing public speaking skills. After a brief overview of the communication process, students write and deliver a variety of speeches (including personal experience, informative, persuasive). Students also are introduced to the principles of oral interpretation of literature.

Public Speaking (Northeast State Jumpstart Program SPCH 2300) (paired with MATH 1530)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

123015 / Spring Term

Singleton Course Number/Projected Times:

Not offered as Singleton

Prerequisite: *Minimum ACT English sub-score of 18 and reading sub-score of 19.*

Public speaking is an introduction to the processes and elements of human communication in face-to-face interaction.

Topics include: topic selection, research, organization, verbal and nonverbal delivery, audience adaptation, listening and small group presentations. With successful completion of this course, students will earn 3 credit hours from Northeast State.

This course is an approved course for the Tennessee Board of Regents and Northeast State's General Education Core and is designed for transfer. There is a fee involved with this course.

Science Fiction

Grade Level: 9-12 **Credit:** 1

Block Course Number / Projected Times

173097/Varies

Singleton Course Number / Projected Times

Not offered as a singleton

Prerequisite: *None*

This course is offered every other year and is available for registration during the 2013-2014 school year.

This course is for students who like to read, discuss, and discover more about science fiction. Students evaluate literature in the context of history and science to discover themes and controversial social commentary. Featured authors may include H. G. Wells, Ray Bradbury, , Isaac Asimov, Ursula K. LeGuin, Octavia Butler, and Harlan Ellison.

FINE ARTS DEPARTMENT

VISUAL ARTS

Art and Design

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103503/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course teaches visual design through various methods such as: marbling, calligraphy (hand-lettered alphabets), negative/positive designs, painting, collage, sculpture, silk-screen printing, and book making. Emphasis is placed on design principles and the use of art elements in art production. Students may repeat this course for credit with teacher approval. Any 9th-12th grade student is welcome to claim an open seat in this course during the August registration period, but only students who are 10th-12th grade may request this course on their Course Request Form in the spring.

Ceramics

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

103501/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course introduces the student to the art of making functional pottery and sculpture. Students work individually to develop their own skills. Students will learn traditional ceramic hand-building techniques to create a variety of art objects. A portion of the course will focus on pottery made on the potter's wheel. Students will experiment with hand-built objects as well as creations made on the potter's wheel.

Ceramics (Advanced) and 3-D Design

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

123503/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Ceramics*

This course builds on skills learned in Ceramics. This class allows students to explore various approaches to glazing, hand-building, creating functional objects, and to explore advanced techniques and methods of creating sculptural ceramic work. Plaster and other media may be used to create other 3-D objects. The course is intended for students who have exceptional ability and interest in art.

Drawing

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

113501/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*.

Drawing is composed of a series of experiments, techniques, and finished products. Craftsmanship and creativity are encouraged through the student's finished work. Students learn to record texture, structure, value, and shape through drawing. The students develop drawings in various media, which could include pencil, colored pencil, pen and ink, etc. The student is encouraged to develop skills, craftsmanship, and a personal style.

Drawing (Advanced)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

103504/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Drawing with a C average*

This course builds on the skills learned in *Drawing*. The purpose of *Advanced Drawing* is to provide students who have exceptional ability and exceptional interest in art to explore various drawing media and techniques. Color media is explored in depth. Figure drawing, pastels, charcoal, and printmaking are introduced. Students will learn to mat and present their work, as well as create a portfolio. This class is a pre-requisite for Honors Studio Art/AP Studio Art.

Fiber Art

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

113503/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Students study Shibori, which is the technique of dyeing fabric that includes folding, binding, clamping, and stitching. Various types of beadwork are explored, including beadwork on a loom as well as off loom stitches. Students learn how to do original designs with and without graphs. Additional topics may include discharging fabric (removing the dye in patterns), embellishment and photo transfer. Craftsmanship is emphasized. Any 11th-12th grade student is welcome to claim an open seat in this course during the August registration period, but only students who are 12th grade may request this course on their [Course Request Form](#) in the spring.

Introduction to Visual Art

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

123501/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is offered as an introduction to a range of visual art skills, techniques and processes. Basics of two-dimensional and three-dimensional artwork will be covered through a variety of projects that are intended to give the student an overview of the other types of visual art courses that are offered. Artists, important artworks and art periods will be introduced.

Painting

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

103502/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Painting is an introduction to techniques in several water-based mediums. Watercolor painting will be primarily used with exploration in acrylic, tempera, and paste paper materials. The students will learn to paint different washes, mix and blend colors, create special effects through colors and media choices. Students are expected to produce high quality work with an emphasis on excellence in craftsmanship.

Studio Art (Honors and Advanced Placement) classes will be offered if there is a satisfactory number of student requests for each course. The course(s) will be cancelled if the enrollment number is below a satisfactory level.

Studio Art (Honors)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

303504/ Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Drawing, with a recommendation letter from the drawing teacher or Advanced Drawing*

This course is for the student who is planning a career in an art-related field. The student enrolled in this course will begin preparing a body of work for the Advanced Placement Studio Art Course offered Spring Semester. The student will advance drawing and painting skills and expand visual communication abilities by exploring a variety of drawing processes, techniques, compositions and aesthetic concepts. Through practice, experimentation, application of drawing concepts, creative thinking and informed decision making, students will assemble a personal body of artwork that demonstrates a high level of quality and growth over time in content, technique, innovation and process. This course will require the student to produce work beyond classroom time and some summer assignments.

Studio Art (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

503533/ Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Honors Studio Art Fall Semester.*

This course is a college level course in which students may earn college credit based on their portfolio scores. This course is for the student who is planning a career in an art-related field. The student will advance drawing and painting skills and expand visual communication abilities by exploring a variety of drawing processes, techniques, compositions and aesthetic concepts. Through practice, experimentation, application of drawing concepts, creative thinking and informed decision making, students will assemble a personal body of artwork that demonstrates a high level of quality and growth over time in content, technique, innovation and process. Students will produce a minimum of 30 works that satisfy the requirements of Quality, Concentration, and Breadth sections of the Advanced Placement Studio Art Portfolio. This course will require the student to produce works beyond classroom time and some summer assignments.

BAND

General Information:

Band class placement is as follows:

- All brass players enroll in the Brass Class.
- All woodwind players enroll in the Woodwind Class.
- All percussionists enroll in the Percussion Class.
- All color guard members enroll in the Color guard Class

During the fall the all classes combine to form the Football Halftime Marching Band. The Halftime Marching Band members attend the summer band camps, rehearse once or twice per week after school, perform at all home football games, perform at some away football games, and other community events. From the members of the Football Halftime Marching Band members are selected to be in the Competition Marching Band. The Competition Marching Band rehearses an additional day per week (for a total of two or occasionally three days) and competes at regional and national competitions on several weekends in late September and October.

During the second nine-weeks of the fall term, all students are evaluated and placed in one of three concert bands based on their current ability levels. The three bands are Wind Ensemble, Symphonic Band, and Concert Band.

During the second term, all concert bands practice once a week after school.

Wind Ensemble: The Wind Ensemble consists of students who have earned placement through an audition. The Wind Ensemble studies and performs music up to grade VI. Wind Ensemble members perform in the Marching Band and various concerts, community functions, workshops, music festivals, and clinics during the school year. Wind Ensemble members are encouraged to study privately from qualified instructors. Wind Ensemble members are expected to participate in ETSBOA events such as All-State East auditions and Solo/Ensemble Festival.

Symphonic and Concert Bands: The Symphonic Band and Concert Band consist of students who have earned placement through auditions twice per year. Symphonic Band and Concert Band members perform in the Marching Band and various concerts, community functions, workshops, music festivals, and clinics during the school year. The Symphonic Band and Concert Band study and perform music up to grade V. Symphonic Band and Concert Band members are encouraged to study privately with qualified instructors. Members are encouraged to participate in ETSBOA events such as All-State East Audition and Solo/Ensemble Festival.

Marching Band: Students in the Marching Band combine instrumental playing, marching, and performance skills. During the fall term, wind instrument players, all percussionists, and all colorguard members form the Marching Band. This band performs for athletic events, parades, contests, and various civic functions. After school rehearsals and some weekend time during the football season is required.

Selected members are chosen from the Football Halftime Marching Band to be in the Competition Band. Participation in performances is dependent on attendance at all scheduled rehearsals.

BAND COURSES

Advanced Instrumental Techniques

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

103530 /Fall Semester Block B or Block C

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Band/Orchestra*

Advanced Instrumental Techniques allows students to work with directors in a small group setting to improve individual playing skills. This course gives students a chance to play in smaller ensembles such as brass or woodwind quintets or trios. Students get help preparing for auditions and are exposed to solo as well as ensemble literature. This class is open to any 10th, 11th, and 12th graders that are currently enrolled in a band or orchestra singleton. This includes brass class, woodwind class, percussion class or chamber orchestra

Brass Class

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

153530 / 7th Singleton only

Prerequisite: *Previous band experience; Audition for chair/band placement; summer band camp.*

Students develop individual and group musical skills. During the first term, all brass members combine with students from other band classes to form the Marching Band. After placement auditions, students are placed in the Wind Ensemble, Symphonic Band, or Concert Band. This course requires after-school practices as well as some weekend performances.

Color Guard

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

113530/2nd Singleton

Prerequisite: *Audition; summer band camp.*

The color guard learns and develops skills that visually enhance the marching band programs. The class requires individual and group performance skills. The color guard combines with members of the woodwind, brass, and percussion classes to form the Marching Band. Students are selected by audition and must participate in the Dobyns-Bennett summer marching band camp. This course requires after school practices as well as some weekend performances.

Percussion Class

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

173530 /1st Singleton only

Prerequisite: *Previous band experience; Audition for chair/band placement; summer band camp.*

Students develop individual and group musical skills. During the fall term, all percussion members combine with students from the other band classes to form the Marching Band. After placement auditions, students are placed in the Wind Ensemble, Symphonic Band, or Concert Band. Percussionists also participate in Percussion Ensemble during winter and early spring. This course requires after school practices as well as some weekend performances.

Woodwind Class

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

163530 / 8th Singleton only

Prerequisite: *Previous band experience; Audition for chair/band placement; summer band camp.*

Students develop individual and group musical skills. During the fall term, all woodwind members combine with students from other band classes to form the Marching Band. After placement auditions, students are placed in the Wind Ensemble, Symphonic Band, or Concert Band. This course requires after-school practices as well as some weekend performances.

CHOIR

Chorus: Varsity Chorale

Grade Level: 10-12 Credit: 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

163531 / 1st Singleton only

Prerequisite: *Audition; Previous chorus experience.*

The Varsity Chorale is an SATB competitive choir that consists of students who have earned placement through an audition. These vocalists perform a variety of intermediate to advanced music literature while continuing to develop their skills in vocal technique and sight-singing. The Varsity Chorale performs at concerts, community functions, music festivals and clinics during the school year. Members are encouraged to participate in ETVA All-East auditions. Placement in this group makes the student eligible to audition for the Acappella Vocal Band. This course requires attendance at before-school *and/or* after-school rehearsals and performances throughout the year. Auditions are tentatively set for March 10-11, 2014

Chorus: Acappella Vocal Band

Grade Level: 10-12 Credit: 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

193531 / 2nd Singleton only

Prerequisite: *Audition; Previous chorus experience*

The Acappella Vocal Band is a competitive SATB group that recreates popular music by imitating sounds of a band (i.e.guitars, horn lines, bass guitar, drums). Students learn and develop skills in vocal improvisation, visual presentation, collaboration, beat-boxing and microphone technique. The Acappella Vocal Band performs at concerts, community functions, festivals and clinics during the school year. Members are *required* to learn Varsity Chorale repertoire and perform with the Varsity Chorale at all concerts and festivals. All members are encouraged to participate in ETVA All-East auditions. This course requires attendance at before-school *and/or* after-school rehearsals and performances throughout the year. Auditions are tentatively set for March 12-13, 2014

Chorus: Women's Choir

Grade Level: 9-12 Credit: 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

173531 / 7th Singleton only

Prerequisite: *None: No auditions necessary*

Students learn a variety of beginning to intermediate music literature along with developing skills in vocal technique, sight-singing, basic music theory and musicianship. The Women's Choir performs both as a separate group and in combination with the Dobyns-Bennett Chorus in concerts during the school year. All in-coming female freshman or female student interested in being a member of the Dobyns-Bennett Chorus should enroll in this class. This course requires attendance at before-school *and/or* after-school rehearsals and performances throughout the year.

Chorus: Men's Choir

Grade Level: 9-12 Credit: 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

183531 / 8th Singleton only

Prerequisite: *None: No auditions necessary*

Students learn a variety of beginning to intermediate music literature along with developing skills in vocal technique, sight-singing, basic music theory and musicianship. The Men's Choir performs as a separate group and in combination with the Dobyns-Bennett Chorus in concerts during the school year. All in-coming male freshman or male student interested in being a member of the Dobyns-Bennett Chorus should enroll in this class. This course requires attendance at before-school *and/or* after-school rehearsals and performances throughout the year.

ORCHESTRA

Orchestra

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

203530 / 1st Singleton only

Prerequisite: *Audition; Previous orchestra experience.*

This class is a continuation of basic and intermediate string and orchestra techniques. These students perform both as a separate group and in combination with the Dobyns-Bennett Orchestra in concerts during the school year.

Sinfonia (Chamber Orchestra)

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as a block

Singleton Course Number/Projected Times:

213530 / 2nd Singleton only

Prerequisite: *Audition; Previous orchestra experience.*

The Chamber Orchestra is a select group of string players, who will audition for this class in the spring semester prior to enrollment. Students in this class are selected by the director. This group performs various concerts, plays at community functions, workshops, music festivals, and clinics during the school year.

GENERAL MUSIC

History of Rock and Roll

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103505/Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None.*

History of Rock and Roll is a course designed to familiarize the student with the history of Rock music. Prominent players and groups of each era will be explored as well as sociological, economic and cultural factors that shaped the many styles of Rock music. Classroom activities will include listening, analyzing, songwriting, class discussions, research and presentations.

Music Theory (Technology-based)

Grade Level:10-12 **Credit:** 1

Block Course Number / Projected Times:

103514 / Fall Semester only, Block B or C

113514/Spring Semester, Block B or C

Singleton Course Number / Projected Times:

Not offered as a singleton

Prerequisite: Previous experience in musical training.

This course is for students interested in the technological aspects of music production. Students will analyze, compose, arrange, record, and mix music of all genres. Students will learn the underlying principles of music and music production through the use of computer software and other technological devices.

Music Theory (Advanced Placement)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

503535 / Spring Semester Block B or C

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Previous experience in formal music highly recommended (band, chorus, orchestra, private music lessons, etc.).*

This course is for students with an interest in the in-depth study of music analysis, composition, and arranging. Students will analyze written music, notate music purely by listening, and sight-sing various melodies. Students enrolling in this course are required to take the AP Music Theory exam.

THEATRE

Forensics Lab-Dramahawks

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

153097 / 7th and 8th singleton

Prerequisite: *Theatre Arts I or permission of the instructor.*

This course is for students interested in competitive areas of drama, including prose and poetry interpretation, dramatic and humorous interpretation, and solo and duet acting. Competing in 75% of the forensics tournaments offered for the year is a requirement of the course. Students are expected to find and prepare a variety of competition pieces, develop a portfolio of their competitions pieces, be involved in some aspect of the fall and spring productions, and develop a competition piece from reading and analyzing a play.

Theatre Arts I-Introduction to Theatre

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103520 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None.*

This course introduces students to basic conventions of the theatre. Its main goal is to focus on theatre as a means of expression and communication. This is a performance-based class. After studying pantomime and vocal technique, students apply that learning to performance projects (poetry interpretation, storytelling, radio theatre, duo interpretation, etc.). Students also study the history of the theatre, as well as the play as a work of literature.

MATH DEPARTMENT

Math Scheduling Options

The following are suggestions for the proper progression for students to follow in order to complete their required 4 years of mathematics for graduation.

8th Grader

Currently enrolled in Pre-Algebra – Should take Algebra 1A and Algebra 1B as a 9th Grader
(must take both in the same year)

Currently enrolled in Algebra 1 – Should take Geometry as a 9th Grader

Currently enrolled in Geometry – Should take Unified 9 as a 9th Grader

9th Grader

Currently enrolled in Algebra 1B – Should take Geometry as a 10th Grader

Currently enrolled in Geometry – Should take Algebra 2A and Algebra 2B as a 10th Grader
(must take both in the same year)

Currently enrolled in Algebra 2B – Should take **at least** one of the following:

- Probability and Statistics as a 10th Grader
- AP Statistics as a 10th Grader

Currently enrolled in Unified 9 – Should take Unified 10 as a 10th Grader

- Could also take AP Computer Science as an elective credit as a 10th Grader

10th Grader

Currently enrolled in Geometry – Should take Algebra 2A and Algebra 2B as an 11th Grader
(must take both in the same year)

Currently enrolled in Algebra 2B – Should take Trigonometry and Pre-Calculus as an 11th Grader
(Take **both** as an 11th Grader - must take both in the same year)

- Could also take AP Computer Science as an elective credit as an 11th Grader
- Could also take AP Statistics as an elective credit as an 11th grader

Currently enrolled in Unified 10 – Should take Unified 11 as an 11th Grader

- Could also take AP Computer Science as an elective credit as an 11th Grader

Currently enrolled in Probability and Statistics – Should take Trigonometry and Pre-Calculus as an 11th Grader
(Take **both** as an 11th Grader - must take both in the same year)

- Could also take AP Computer Science as an elective credit as an 11th Grader

Currently enrolled in AP Statistics – Should take Trigonometry and Pre-Calculus as an 11th Grader
(Take **both** as an 11th Grader - must take both in the same year)

- Could also take AP Computer Science as an elective credit as an 11th Grader

11th Grader

Currently enrolled in Algebra 2B – Should take **at least** one of the following:

- Trigonometry and Pre-Calculus as a 12th Grader (Take **both** as a 12th Grader - must take both in the same year)
- Probability and Statistics and/or AP Statistics - as a 12th Grader
- Could also take AP Computer Science as an elective credit as a 12th Grader
- Bridge Math will be required if ACT score is below College Ready

Currently enrolled in Unified 11 – Should take Unified 12 as a 12th Grader

- Could also take AP Computer Science as an elective credit as a 12th Grader
- Could also take AP Statistics as an elective credit as a 12th grader

Currently enrolled in Pre-Calculus – Should take **at least** one of the following:

- AP Calculus as a 12th Grader – **Students may not request AP Calculus until their senior year.**
- Probability and Statistics and/or AP Statistics as a 12th Grader
- Could also take AP Computer Science as an elective credit as a 12th Grader

Minimum math graduation requirements:

All students are required to complete four units of mathematics including Algebra IB, Geometry, Algebra IIB and another mathematics course beyond Algebra IIB. Students must be enrolled in a mathematics course each school year.

Algebra IA is a prerequisite for *Algebra IB*. *Algebra IA* may be applied only as an elective credit and may not be applied as one of the four math credits required for graduation.

Algebra IIA is a prerequisite for *Algebra IIB*. *Algebra IIA* may be applied only as an elective credit and may not be applied as one of the four math credits required for graduation.

End-of-course Exams

End-of-course exams will be given in Algebra IB, Geometry and Algebra IIB. The end-of-course exam (PARCC) scores will count as 25%.

Mathematics Placement For Rising 9th Grade Students:

Math placement will be determined by class grades, parent, student, and teacher input, and standardized test scores. Counselors will have placement recommendations at the individual student registration appointment.

MATHEMATICS COURSES

Algebra IA (must be paired with Algebra IB in the same school year)

Grade Level: 9-12 **Credit:** 1, elective credit

Block Course Number/Projected Times:

163102 / Fall Semester Only

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *Pre-Algebra*

In this course, students build on their basic understanding of math to explore symbolic relationships in a variety of ways. Students use integers and fractions to represent relationships in graphs and functions. Algebra I uses problem situations, physical models, and appropriate technology to extend algebraic thinking and engage student reasoning. The concepts emphasized in the course include functions; solving equations, slope as rates of change, proportionality, quadratic equations, exponential growth and decay, rational expressions, and probability in data exploration. Algebra IA earns 1 elective credit and is not applied as one of the four math credits for graduation. The Algebra I requirement is met upon successful completion of Algebra IB. Algebra IA and Algebra IB must be taken in the same school year.

Algebra IB (must be paired with Algebra IA in the same school year)

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

173102 / Spring Semester Only

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *Algebra IA*

In this course, students build on their basic understanding of math to explore symbolic relationships in a variety of ways. Students use integers and fractions to represent relationships in graphs and functions. Algebra I uses problem situations, physical models, and appropriate technology to extend algebraic thinking and engage student reasoning. The concepts emphasized in the course include functions; solving equations, slope as rates of change, proportionality, quadratic equations, exponential growth and decay, rational expressions, and probability in data exploration. The Algebra I requirement is met upon successful completion of Algebra IB. Algebra IA and Algebra IB must be taken in the same school year. The score on the Algebra IB End-of-Course Test will count as 25% of the final grade.

Algebra IIA (Must be paired with Algebra IIB during the same school year)

Grade Level: 9-12 **Credit:** 1 – elective credit

Block Course Number/Projected Times:

163103 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Geometry*

Algebra IIA / IIB is an in depth study of linear, quadratic, exponential, logarithmic, polynomial, rational, and trigonometric functions and inequalities. Other topics of study include factoring, powers and roots, matrices, sequences and series, and probability and statistics. Algebra IIA earns one elective credit and will not be applied as one of the four math credits required for graduation. Algebra IIB and Algebra IIB must be taken in the same school year. The Algebra II requirement is met upon successful completion of Algebra IIB.

Algebra IIB (Must be paired with Algebra IIA during the same school year)

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

173103 / Spring term only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IIA*

Algebra IIA / IIB is an in depth study of linear, quadratic, exponential, logarithmic, polynomial, rational, and trigonometric functions and inequalities. Other topics of study include factoring, powers and roots, matrices, sequences and series, and probability and statistics. Algebra IIA earns one elective credit and will not be applied as one of the four math credits required for graduation. The Algebra II requirement is met upon successful completion of Algebra IIB.

Algebra IIA and Algebra IIB must be taken in the same school year. The score on the Algebra IIB End-of-Course Exam will count as 25% of the final grade.

Bridge Math

Grade Level: 12 **Credit:** 1

Block Course Number / Projected Times

103181 / Varies

Singleton Course Number / Projected Times

Not offered as a singleton

Prerequisite: *ACT Math Sub score below 22 or teacher recommendation/Explore scores if no ACT score exists*

In alignment with the Developmental Studies Program for Mathematics (DSPM) outcomes, the curriculum standards have been organized into groups of mathematical skills. Certain mathematical skills are required in order to prepare a DSPM student for college level mathematics courses. However, these particular skills should be developed in an environment that promotes learning beyond skill and drill techniques. These new skills will be introduced in conjunction with appropriate mathematical concepts and should be related to previous learning. Applications of these skills should play a principal role in the learning and assessment process.

Calculus (Advanced Placement)

Grade Level: 12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

563127 / 1st and 2nd singletons only

Prerequisite: *Pre-Calculus*

This course is for college-bound students who plan to pursue a math curriculum. Subject matter in this advanced math course includes topics from analytic geometry and differential and integral calculus with applications. Students who successfully complete the course and exam may receive credit, advanced placement, or both for one semester of college calculus.

Computer Science A (Advanced Placement)**Grade Level:** 10-12 **Credit:** 1 (Elective credit only)**Block Course Number/Projected Times:**

503635 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IIB* or *Unified 9 Honors Algebra II*

This course is designed for college-bound students who have high problem solving ability. Students take an Advanced Placement Test to determine eligibility for college credit. Students learn to write logically structured, well-documented programs to solve problems in several application areas. Students learn to identify major hardware and software components of a computer system and their relationship to each other. Students consider the ethical and social implications of computer use. Access to a computer outside of class is very beneficial, but not required.

Geometry**Grade Level:** 9-12 **Credit:** 1**Block Course Number/Projected Times:**

Not offered as a block

Singleton Course Number/Projected Times:

153108 / Singletons 1, 2, 7, 8

Prerequisite: *Algebra IB*

Geometry uses problem situations, physical models, and appropriate technology to investigate and justify geometric concepts and relationships. Problem-solving situations provide all students an environment that promotes communication, engages student reasoning, and fosters connections within mathematics, to other disciplines, and to the real world. Students will use physical models to represent, explore, develop, and apply abstract concepts. The use of appropriate technology will help students develop mathematics needed in an increasingly technological world. The concepts and topics emphasized in the course include measurement, geometric patterns, coordinate geometry, two- and three-dimensional figures, transformational geometry, congruence, similarity, inductive and deductive reasoning, logic, and proof. Students are exposed to inductive and deductive reasoning in real life situations and in mathematical settings related to properties of geometric figures.

Trigonometry (required to be paired with Pre-Calculus in same school year)**Grade Level:** 11-12 **Credit:** 1**Block Course Number/Projected Times:**

103124 / Fall term only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IIB*.

This course is for college-bound students. The study includes such topics as the wrapping function, circular functions, inverse functions, identities, and complex numbers.

Pre-Calculus (required to be paired with Trigonometry in same school year)**Grade Level:** 11-12 **Credit:** 1**Block Course Number/Projected Times:**

103126 / Spring term only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Trigonometry*

This course bridges the mathematical gap between algebra and calculus. The course includes topics common to college algebra, such as functions and their graphs, parametric equations, limits, linear algebra and conics.

Statistics**Grade Level:** 10-12 **Credit:** 1**Block Course Number/Projected Times:**

103136 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IIB*

This course introduces the student to the four main topics of any basic statistics class: exploring data, planning a study, probability as related to data distribution, and inferential reasoning. The course is designed for the college-bound student who is planning a career in nursing, medicine, engineering, business, counseling, education and all math related fields. The student is introduced to the statistics program MiniTab and uses the statistical functions on the graphing calculator.

Statistics (Advanced Placement)**Grade Level:** 10-12 **Credit:** 1**Block Course Number/Projected Times:**

503129 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Statistics or Trigonometry*

This course introduces the student to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

Statistics (Northeast State Dual Enrollment Program MATH 1530)(paired with SPCH 2300)**Grade Level:** 11-12 **Credit:** 1**Block Course Number/Projected Times:**

123136 / Spring Term

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Minimum ACT math sub-score of 19*

Probability and Statistics (Non-Calculus based) is designed to emphasize statistics as a decision-making tool and to introduce basic concepts of the discipline. This course includes: descriptive statistics; an introduction to probability; probability distributions; linear correlation and regression; and statistical inference and hypothesis testing. Lab will emphasize the uses of computer software and calculators for statistical analysis and assumes proficiency in basic computer skills. With successful completion of this course, students will earn 3 credit hours from Northeast State. This course is an approved course for the Tennessee Board of Regents and Northeast State's General Education Core and is designed for transfer. There is a fee involved with this course.

HONORS/UNIFIED MATHEMATICS

The following honors courses involve a more in-depth study at an accelerated pace.

Unified 9 Honors Algebra II

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

353103 / 1st and 2nd Singletons only

Prerequisite: *Geometry; (with C average or higher if the Geometry was taken in middle school or an A average if taken at Dobyns-Bennett)*

This course continues the spiral approach of previous courses. Students complete the study of advanced Algebra II topics and begin the study of Pre-Calculus topics, focusing on operations with, and the graphing of rational and polynomial functions. Students extend their eighth grade course in geometry to include advanced geometry topics, learning to represent mathematical relationships geometrically.

Unified 10 Honors Trigonometry and Pre-Calculus

Grade Level: 10-11 **Credit:** 1 (1/2 credit in each course)

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

363124 and 363126 / 7th & 8th Singletons only

Prerequisite: *Unified Honors Algebra II.*

This course continues the spiral approach of previous courses. Some of the topics covered include polynomial and rational expressions, relations and functions including trigonometric functions, exponential and logarithmic functions, circles, circular functions, matrices, and curve sketching. This course completes all topics necessary to begin the study of Calculus.

Unified 11 Analytical Geometry and Calculus

Grade Level: 11 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

553127 / 1st and 2nd Singletons only

Prerequisite: *Unified Honors Trigonometry and Pre-Calculus*

This course includes topics from analytic geometry and calculus such as vectors, conics, polar coordinates, continuity, limits, derivatives and their applications, and integration.

Unified 12 AP Calculus BC

Grade Level: 12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

553128 / 1st and 2nd Singletons only

Prerequisite: *Unified Analytical Geometry and Calculus*

This course prepares the students to take the Calculus BC Advanced Placement Examination. Topics covered include conics, analytic properties of circular, exponential, and logarithmic functions, integration techniques and applications, sequences and series, and differential equations. Students who successfully complete the course and exam may receive Calculus AB and Calculus BC advanced placement scores, and/or credit for two semesters of college calculus.

PHYSICAL EDUCATION/WELLNESS DEPARTMENT

The Lifetime Wellness Curriculum for Dobyns-Bennett High School has been developed to meet the objectives of the Wellness and Physical Education framework approved by the Tennessee State Board of Education. The curriculum offers two semesters allowing each student to earn two (2) Wellness/Physical Education credits. This curriculum meets the state guidelines (framework for Wellness and the six standards outlined for Physical Education). Wellness includes driver education and outdoor education. Two credits of *AFJROTC* may be substituted for *Wellness I*. One additional credit in *AFJROTC* may be substituted for *Wellness II/Physical Education*. Students are not permitted to enroll in *AFJROTC* and a Wellness course during the same semester.

Advanced Sports and Conditioning

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

113302 / Fall Semester Preference (A,B and C only)(10-12 graders only)

123302 / Spring Semester Preference (A,B and C only)(9-12 graders)

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Wellness I*

Students may take as an elective at any time. This course is an elective for students who wish to participate in a weight lifting/plyometric program. Rising 9th grade students must request this course using the Spring Semester course number.

Wellness I

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103303 / Both Terms

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

All freshmen are expected to enroll in this course. The following units provide instruction in personal fitness development, sport skills, and classroom activities:

- A. Personal Fitness/Related Skills
- B. Nutrition
- C. Mental Health
- D. Safety & First Aid

Wellness II/Physical Education

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

113301/ Both Terms

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Wellness I* or 2 ROTC credits; and student must have reached his/her fifteenth birthday prior to the start of course. *All sophomores who meet the prerequisites are expected to enroll in this course.* The curriculum for this course is divided into the following units involving physical fitness, sports activities, and classroom activities:

- A. Family Life/Sexuality
- B. Disease Prevention and Control
- C. Substance Use/Abuse
- D. Driver Safety/Outdoor Education

R.O.T.C

The mission of the Air Force Junior Reserve Officer Training Corps (AFJROTC) program is to "Develop citizens of character dedicated to serving their nation and community." In addition to the academic credits which are earned, the following benefits are available: special consideration for an appointment to the Air Force Academy, scholarships available only to AFJROTC cadets, and higher pay grades if enlisting in the military. Students participate in academic and leadership training activities including military customs and courtesies and the wearing of the AFJROTC uniform one day per week. All uniform items are provided, fee-of-charge and must be returned clean and in good condition at the end of the semester/year unless the Cadet is continuing with ROTC II through IV. ROTC I is required for all first-year cadets. ROTC II through IV will be offered on a rotating basis each year, enabling a cadet to take all courses if they complete the four-year curriculum.

Completion of ROTC I plus one additional ROTC credit will satisfy the Dobyys-Bennett Wellness I requirement. Students completing one additional ROTC credits will satisfy the Dobyys-Bennett Wellness II requirement. Freshmen and sophomores may only take JROTC one semester per year. Juniors and seniors may enroll in both semesters. The only pre-requisites for ROTC II, III or IV is ROTC I and Instructor approval. ROTC II, III & IV do not have to be taken in numerical order.

All Cadets will participate in the AFJROTC Health & Wellness program. This program is designed to improve Cadets' personal fitness, build team work, leadership and esprit de corps. Cadets will complete 5 – 10 minutes of Physical Training (PT) daily in the classroom and participate on the designated PT day, usually Friday.

All cadets, unless exempted in writing by their parents, legal guardians or medical doctor, will complete the Presidential Fitness Test at least two times per semester. Cadets will perform weekly conditioning to improve their final score and participate in activities such as Flicker Ball, Ultimate Frisbee, Kick Ball, etc. Accommodations can be made for Cadets who are unable to participate in the AF JROTC Health & Wellness Program.

All AF JROTC Cadets (I – IV) are afforded the opportunity to become involved in extracurricular activities such as drill, saber, and orienteering teams; model rocketry, marksmanship and field trips to US Air Force Bases that help cadets to enhance the student's personal behavior, levels of responsibility and self-esteem.

All Upper Class AF JROTC Cadets (II – IV) are expected to achieve advanced proficiency in drill, customs and courtesies, and uniform wear; demonstrate increased responsibility by performing leadership roles in the Corps; instructing 1st year Cadets; completing special projects.

ROTC I / Journey into Aviation History / Citizenship, Character, and Air Force Tradition

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:
103331/Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: None

The first year "*Journey Into Aviation History*" is a history course designed to acquaint the student with the historical development of flight and the role of the military in history. Flight is reviewed from the ancient legends to the Persian Gulf War and beyond. Leadership topics in "*Citizenship, Character, and Air Force Tradition*" include wear of the uniform, military customs and courtesies, self-discipline, citizenship, wellness and fitness, and basic drill movements. Students are afforded the opportunity to get involved in extracurricular activities such as drill, saber, and orienteering teams that help cadets to enhance the student's personal behavior and levels of responsibility and self-esteem.

ROTC II – Science of Flight / Communication, Awareness, and Leadership (Not offered in 2014-15)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:
10332/Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: ROTC I & approval of instructors

This course, *The Science of Flight: A Gateway to New Horizons* is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. The leadership course, "Communication, Awareness, and Leadership" covers communicative skills, individual and group behavior, basic leadership concepts, and cadet corps activities. Proficiency is expected in drill.

ROTC III: Cultural Studies: An Introduction to Global Awareness / Life Skills and Career Opportunities Grade Level: 10-12 Credit: 1

Block Course Number/Projected Times:
103333/Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: *ROTC I* and approval of instructors

This course, "*Cultural Studies: an Introduction to Global Awareness*," introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. The leadership portions, "*Life Skills and Career Opportunities*" emphasize managing others, stress and finances, citizenship and ethics. Second, third, and fourth year cadets put these skills into practice by holding key leadership positions in the cadet corps. "*Life Skills and Career Opportunities*" examines life after high school including how to apply to college, how to begin the job search including filling out the job application, writing the resume, and how to prepare for the job interview. Career opportunities in aerospace and the U.S. Air Force are covered. Second, third, and fourth year cadets put these skills into practice by holding key leadership positions in the cadet corps.

ROTC IV – The Exploration of Space / Principals of Management (Not offered in 2014-15)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:
103336/Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: *ROTC I* and approval of instructors

This course, "*The Exploration of Space*" examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned space flight. Issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems, are explained. Our moon landings and orbiting of humans and spacecraft for prolonged periods of time are examined. The space shuttle, space stations, international space law, and future space travel are explored. Leadership, "*Principals of Management*," examines life after high school including how to apply to college, how to begin the job search including filling out the job application, writing the resume, and how to prepare for the job interview. Career opportunities in aerospace and the U.S. Air Force are covered. "*Principals of Management*," emphasizes managing others, stress and finances, citizenship and ethics. Second, third, and fourth year cadets put these skills into practice by holding key leadership positions in the cadet corps.



AF JROTC Fact Sheet



Air Force Junior Reserve Officer Training Corps (JROTC)
 Dobyens-Bennett High School - TN-20062
 Superbius Gens – Pride of the Tribe!
 Col Eric Vogt SMSgt Angelo Pellitteri

Mission

“Develop citizens of character dedicated to serving their nation and community”

Goals

Instill values of citizenship, service to the United States, personal responsibility, and sense of accomplishment.

JROTC Instructors are Teachers, Mentors, and Coaches

Joining JROTC incurs NO commitment to join the US Armed Forces.

Community Service

+2100 Hours in 2012 & 2013	Green Belt Clean Up
Extreme Youth Challenge	Over 30 Color Guards
Football Stadium Clean Ups	Veteran's Day Ceremonies
Second Harvest Food Bank Drive (+17, 000 lbs)	Presidential Inauguration Parade
<i>Kingsport Holiday Parade</i>	

Curriculum

Year	Aerospace Science	Leadership Education
Freshman	Journey into Aviation History	Citizenship, Character and Air Force Tradition
Sophomore	Global Studies	Life Skills
Junior	Exploration of Space	Principles of Management
Senior	Science of Flight	Intercommunication Skills

Extra-Curricular Activities

Drill Team	Model Aircraft Club
Color Guard	Community Service
Summer Leadership Camp	Team Building
Flying Orientation	Orienteering
Field Trips	Military Ball
Model Rocketry Club	Marksmanship (<i>Coming Soon !</i>)

Curriculum in Action Trips

Patrick Air Force Base, FL	Tri-Cities Airport JROTC Flying
Kennedy Space Center	Air Force Museum – Dayton Ohio
McGhee-Tyson ANG Base	Washington DC

Benefits

Leadership Training	Service Academy Preferences
Character Development	Military Advantages
AF JROTC College Scholarships	College Credit

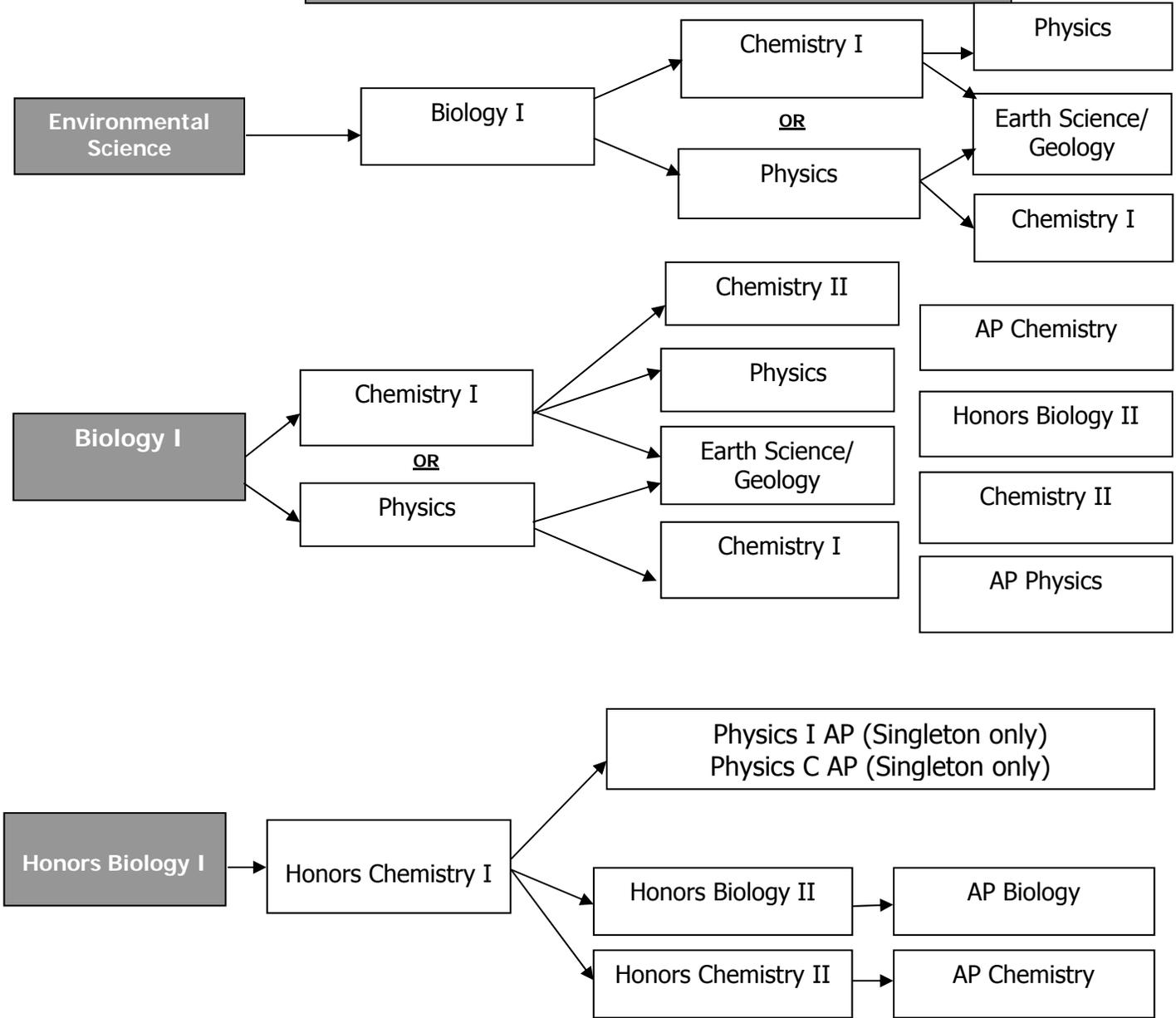
Questions?

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 Senior Master Sergeant Angelo Pellitteri, USAF (Retired) (423) 378-8577 apellitteri@k12k.com

Science Department

(Recommended Science Course Sequences)

Gray boxes indicate possible starting points for freshmen



All students must complete Biology I, Chemistry or Physics, and a third lab science.

Science Course Sequencing/Flowchart

A flowchart has been included to illustrate the preferred science course sequences. Students should use the flowchart as a guide for course requests. Final determination of a student's eligibility to enroll in a course should be made from the information contained in the individual course descriptions.

End-of-course Exams

An End-of-course examination will be given in Biology and Chemistry. The yearly grade will be calculated by counting the teacher assigned grades for the course as 75% and counting the end-of course test as 25%.

SCIENCE DEPARTMENT COURSES

Biology I

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103210 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Biology I is a course that introduces students to the world of living things. The students explore the following: basic life processes at the molecular, cellular, systemic, organismal, and ecological levels of organization within the biosphere; interdependence and interactions within the environment to include relationships, behavior, and population dynamics; cultural and historical scientific contributions of men and women; evidence that supports biological evolution; and current and emerging technology applications. It is the expectation that students will experience the content of Biology I through an inquiry approach. Using available technology, students will investigate the world around them. Biology I will provide the student with knowledge, prerequisite skills, habits of mind needed for daily living and ethical decision-making. This course provides a foundation for advanced biological studies and personal career choices. The yearly grade will be calculated by counting the teacher assigned grades for the course as 75% and counting the end-of course test as 25%.

Biology I (Honors)

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

303210 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Teacher recommendation or within three points of the College Readiness Benchmark on the Explore Test (Science subscore of 17 or greater (score of 20 is indicator of college ready)).*

This is a first-year biology course in which students study the same topics as do those in *Biology I* but do so in greater detail and are expected to achieve a higher level of mastery. Lab exercises include written reports in which the students are to gather and analyze data, arrive at conclusions and discuss overall the principles of science at work. Students are expected to be self-motivated and able to succeed in a less structured classroom environment. Good note-taking skills are essential. The yearly grade will be calculated by counting the teacher assigned grades for the course as 75% and counting the end-of course test as 25%.

Biology II (Honors)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

313216 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Biology I and Chemistry I*

Biology II is a second year biology class taken after the student has successfully completed BOTH Chemistry I and Biology I. The class may be taken by any student meeting the required prerequisite as their third science. It is NOW required for ALL students taking A.P. Biology. The course encompasses material such as organic chemistry, cell biology, the human systems, and evolution. This course covers much of the necessary curriculum items for the 1st half of AP Biology. A college textbook and materials are used. After successful completion of Honors Biology II and AP Biology students will be encouraged to take the AP Biology examination. Most colleges will award 4-8 credit hours for scores of 3, 4, and 5.

Biology (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

503217 / Spring Semester Block B or C

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Biology II*

This course is for students who are planning a career in biology, chemistry, bio-chemistry, or a related field. Since it is a part of the Advanced Placement Program, the course includes the material presented in an up-to-date first year biology course in college. A college textbook and laboratory materials are used. Students must take the AP Biology exam to receive AP credit in this course. After successful completion of Honors Biology II and AP Biology students will be encouraged to take the AP Biology examination. Most colleges will award 4-8 credit hours for scores of 3, 4, and 5.

Chemistry I

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

113221 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Biology I, Algebra IB*

Chemistry deals with the composition, structure and properties of all kinds of matter, and of the changes which take place during interaction. The course includes the following subjects: matter and energy; atomic theory and atomic structure; chemical calculations, acids, bases, and salts. The ability to read and understand written problems is essential. Laboratory investigations are a part of this course.

Chemistry I (Honors)

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

303221 / Fall (10-12)

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Biology I and Algebra IB for grades 10-12. Honors Biology I and enrolled in Geometry (or higher) for 9th graders.*

This first year course in chemistry is designed for students desiring a more intensive study of the subject as described in *Chemistry I*. Laboratory work is an essential part of the course. Many topics not covered in *Honors Chemistry I* are covered in *Honors Chemistry II*.

Chemistry II (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

313224 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Honors Chemistry I or Chemistry I*

This course is a continuation of *Chemistry I* or *Honors Chemistry I*. Students considering this course should have a mastery of topics such as formula/equation writing and stoichiometry. Concepts are extended to include more detailed investigation into chemical reactions. This course is highly recommended for any student considering a career in science. It is NOW required for ALL students taking A.P. Chemistry. This course covers much of the necessary curriculum items for the 1st half of AP Chemistry. A college textbook and materials are used. After successful completion of Honors Chemistry II and AP Chemistry, students will be encouraged to take the AP Chemistry examination. Most colleges will award 4-8 credit hours for scores of 3, 4, and 5.

Chemistry (Advanced Placement)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

503225 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Honors Chemistry II.*

This course is a college level course and prepares students for the AP Chemistry exam given in the spring. Students may earn up to eight semester hours of college credit depending upon their score on the AP exam and where they attend college. Students enrolled in the course should be highly motivated and self-directed. Any student interested in any field of science should consider taking this course. Students must take the AP Chemistry exam in order to receive AP Credit in this course.

Earth Science

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

103204 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Chemistry I*

This course provides students with a study of the earth. Lab activities, guest speakers, demonstrations, and class discussions form a major portion of the course. The course focuses on interdisciplinary approaches to the study of the Earth and its environment with emphasis on the universality of change from weather and the rock cycle through plate tectonics and the study of the makeup and arrangement of the universe. Identification techniques of rocks and minerals are included, as well as the interaction of the study of oceanography and meteorology.

Environmental Science

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

103260 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is designed to increase the knowledge and skills in all areas of science through real world application. Students investigate fundamental ecological principals, earth's natural resources, energy sources and their use, population dynamics, and human interactions with the environment. The concepts studied relate to future classes in both life and physical science.

Physics

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

103231 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IIA*

This course gives students an understanding of the physical laws of nature that govern our universe. The goal is to understand how energy is transformed from one form to another to serve man's purpose. Some areas of study are mechanics, vectors, rotational motion, electricity, and modern physics. Physics is a mathematical course, and use of mathematics is widespread. This course is designed to provide the students who are still developing their mathematical skills with a challenging, but manageable, context to learn these concepts.

Physics I (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

553233/1st and 2nd singleton

Prerequisite: *Algebra IIB; Pre-Calculus Concurrent*

The Physics I AP course is designed to be representative of physics courses commonly offered in colleges and universities. It is designed to be taken by students who are planning on majoring in a science or science-related field such as: biology, nursing, pre-med, and other medical related fields. It will develop student's abilities to read, understand, and interpret information and data; describe and explain the sequence of steps in the analysis of a problem or phenomenon, use mathematical reasoning, and perform experiments. It is usually taken at the same time or after a pre-calculus course in mathematics. Students who take the Physics I AP exam may fulfill the first semester requirements for physics at some colleges and universities. Students should expect 1.5-2 hours of reading and homework per night.

Physics C (Advanced Placement)

Grade Level: 12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

553234/7th and 8th singleton

Prerequisite: *Physics; Students currently enrolled in Unified Math 12 may enroll in this course with no previous Physics credits.*

This course prepares students for Physics C AP exam. This exam covers uniformly accelerated motion, vectors, Newtonian mechanics, energy, momentum, torques, rotational motion, and oscillations. The text is an up-to-date college text and the pace of the course is consistent with a regular college class. Students must take the AP Physics exam in order to receive AP credit in this course.

LEADERSHIP

Leadership and Peer Mentoring

Grade Level: 11 **Credit:** 1

Block Course Number / Projected Times

109350/Spring Block B

Singleton Course Number / Projected Times

Not offered as a singleton

Prerequisite: *Application*

This course is designed to increase the student's knowledge of leadership skills within the context of Dobyns-Bennett High School, the Kingsport Community; student guidance and the development of advisor/advisee relationships with incoming ninth graders; and stewardship of our community through service learning projects. Students that are accepted into the leadership course as juniors will be expected to serve as mentors to freshmen their senior year.

SOCIAL STUDIES DEPARTMENT

All students are required to earn four credits in Social Studies according to these guidelines:

- 1 credit: World History, AP Human Geography, or AP European History
- 1 credit: American Government, Hon United States Government, or AP United States Government
- ½ credit: Economics or Honor Economics,
- 1 credit: AP Macroeconomics
- ½ credit: Personal Finance
- 1 credit: United States History, or Honors US History, or AP US History

The Social Studies department prefers that students enroll in required courses in the following sequence:

Grade Level	Regular Level Courses	Advanced Level Courses
9 - 10	World History	AP Human Geography
10-11	United States Government	Honors United States Government AP United States Government
11 - 12	Economics and Personal Finance	Honors Economics and Personal Finance AP Government (for highly qualified sophomores) AP Macroeconomics
11 - 12	United States History	AP European History Honors/AP United States History AP Government (can also be elective)

Note: Students are *strongly* encouraged to take U.S. History during 11th grade and Economics/Personal Finance during 12th grade.

Note: Students who take only regular level courses have a clear path to follow. Those who take primarily honors level courses may choose not take a social studies class as a freshman. Instead they may wait and take AP European History in an effort to earn weighted credit in all 3½ of their four required social studies classes.

Advanced Placement Courses require students to draw upon a reservoir of systematic factual knowledge in order to exercise analytical skills intelligently. Thus, AP courses are reading and writing intensive and require a high degree of student investment of both time and effort.

End-of-Course Exam

End-of-course examinations will be given in United States History and Honors US History. The yearly grade will be calculated by counting the teacher assigned grades for the course as 75% and counting the end-of course test as 25%.

SOCIAL STUDIES REQUIRED COURSES

- Economics** (pair with Personal Finance)
Grade Level: 11-12 **Credit:** ½
Block Course Number/Projected Times:
 103431 / Varies
Singleton Course Number/Projected Times:
 153431 / 1st and 2nd singletons
Prerequisite: None

Economics is designed to provide the student with the opportunity to learn about the American free enterprise system and explore their roles as citizens, producers and consumers. Emphasis is placed upon understanding the concepts of scarcity, the free market system, money and banking, labor and management, supply and demand, the role of government, economic theory, and how the student can participate in the economy of the 21st Century. This course is best taken senior year.

Economics (Honors) (pair with Personal Finance)

Grade Level: 11-12 **Credit:** ½

Block Course Number/Projected Times:

303431 / Varies

Singleton Course Number/Projected Times:

353431 / 7th and 8th singletons

Prerequisite: *None*

This course is an exploration of microeconomics and macroeconomics. Critical thinking, discussion and the interchange of ideas are tools used to explore major economic concepts. Major topics covered are scarcity, supply and demand, economic goals, labor and management, business structures and cycles, inflation, monetary policy, government fiscal policy, international trade and economic schools of thought. Honors credit is not assigned to Personal Finance. This course is best taken senior year.

Human Geography (Advanced Placement)

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

553450 / 7th and 8th singleton

Prerequisite: None

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Goals of the course are to: Use and think about maps and spatial data, understand and interpret the implications of associations among phenomena in places, recognize and interpret at different scales the relationships among patterns and processes, define regions and evaluate the regionalization process, and characterize and analyze changing interconnections among places.

Macroeconomics (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

553444/Spring Only

Singleton Course Number/Projected Times:

Not offered as Singleton

Prerequisite: None

The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Personal Finance (pair with Economics, Honors Economics, or Business Economics)

Grade Level: 11-12 **Credit:** ½

Block Course Number/Projected Times:

103496 / Varies

Singleton Course Number/Projected Times:

153496 / Varies

Prerequisite: *None*

Personal Finance is a course designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. This course is best taken senior year.

United States Government

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:
203407 / Varies

Singleton Course Number/Projected Times:
253407 / All Singletons if enrollment dictates

Prerequisite: *None*

Students will study the purposes, principles, and practices of American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government. Students will learn the structure and processes of the government of the state of Tennessee and various local governments. The reading of primary source documents is a key feature of United States Government and Civics standards.

United States Government (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:
303407 / Varies

Singleton Course Number/Projected Times:
353407 / 1st and 2nd Singleton

Prerequisite: *None*

United States Government centers upon the United States Constitution. The course includes a historical study of American liberty via the English and other European sources that led to the writing of the U.S. Constitution. The structure of the Constitution, the Bill of Rights and other amendments, the three branches of government, federalism, current political problems and the applications and impact of those events on each of us is studied. *Enhanced awareness of the ideas and ideals of our type of government and the role of an informed citizenry is the goal of this class.*

United States Government (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:
Not offered as block

Singleton Course Number/Projected Times:
553445 / 1st and 2nd, singletons

Prerequisite: *Previous course in United States Government is recommended but not required*

This course is open to students who wish to approach United States Government at an advanced level. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Thus, students are encouraged to complete regular or Honors United States Government before taking Advanced Placement United States Government. Students are expected to possess a strong social studies and/or government background. A strong background in reading and writing is highly recommended before taking the class. The course is taught as a first year college survey through the use of a college textbook and college level parallel reading. Emphasis is placed on the Constitutional underpinnings of the United States Government, political beliefs, and behaviors, political parties, interest groups, mass media, institutions of national government, public policy, civil rights and civil liberties. Students take the AP United States Government Exam in May. *Sophomores with strong freshman English and Social Studies results are **encouraged** to take this course rather than Honors United States Government and Civics.*

United States History

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:
103405 / Varies

Singleton Course Number/Projected Times:
153405/ 1st and 2nd singleton

Prerequisite: *None*

Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today.

Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. The reading of primary source documents is a key feature of United States history standards. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society. The yearly grade will be calculated by counting the teacher assigned grades for the course as 75% and counting the end-of course test as 25%. This course is best taken junior year.

United States History (Honors)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

303405 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This advanced level course, which meets the United States History requirement, requires some out-of-class reading and is a more intensive study of American history than the Survey class. While the course is open to sophomores, a strong background in reading and writing is highly recommended before taking the course. The approved textbook is used with additional readings provided by the instructor. The yearly grade will be calculated by counting the teacher assigned grades for the course as 75% and counting the end-of course test as 25%. This course is best taken junior year.

United States History (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

513440 / 1st and 2nd Singleton

523440 / 7th and 8th Singleton

Prerequisite: *None*

This course is open to students who wish to approach United States History at an advanced level. Students are expected to possess a strong social studies and/or history background, and must evidence a capacity for achievement. While the course is open to sophomores, a strong background in reading and writing is highly recommended before taking the class. The course is taught as a first year college survey through the use of a college textbook and college level parallel reading. Emphasis is placed upon historical analysis, writing, research, and documentary study. Students who have had United States History or Honors United States History may also take AP United States History and earn two United States History credits. This course meets the United States History graduation requirement for those students who have no previous United States History credits. Students take the AP United States History Exam in May.

World History

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103401 / Varies

Singleton Course Number/Projected Times:

153401/ 7th and 8th Singleton

Prerequisite: *None.*

Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, nineteenth century political reform in Western Europe, and imperialism in Africa, Asia, and South America. They will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolutions. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Additionally, students will study aspects of technical geography such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world.

SOCIAL STUDIES ELECTIVES

Civil Rights/Vietnam

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:
143497 / Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: *None.*

This class is a detailed study of the two major events that shaped a generation. The Civil Rights study covers the African American struggle for equality beginning with the end of Reconstruction to the present. The emphasis is on the Civil Rights Movement of the 1950's and 1960's. The Vietnam War study examines why the United States fought and what were the results of our involvement. Various viewpoints are examined and analyzed.

European History (Advanced Placement)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:
Not offered as block

Singleton Course Number/Projected Times:
553441 / 7th and 8th singletons only

Prerequisite: *None*

This course covers material from the late Middle Ages to the present. This is a college-level course that requires college-level reading, writing, studying, and thinking skills. However, sophomores with a strong interest in history are encouraged to enroll. Students prepare for the AP exam in May and by doing well on the exam, students can earn one or two semesters of college credit depending on the college. Class work involves serious reading preparation, note taking, essay writing, and critical analysis of history.

Global Affairs

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:
103497 / Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: *American Govt.*

Why do nations do what they do? What are national interests? Students will investigate how nations determine and secure their national interests. Global Affairs is not a current events course. The challenge of securing national interests will be studied in light of the global trend away from national sovereignty toward mutual security. Students will learn various frameworks for international relations, approaches to conflict, and the tools nations may possess to secure national interests. Current events become evidence in the exploration of nations' behavior. The student utilizes investigations and research, individual and group discussions, reading writing, presentations and role-playing as he/she seeks to understand the interplay of international forces that have shaped today's world.

Philosophy (Honors)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:
333497 / Varies

Singleton Course Number/Projected Times:
Not offered as singleton

Prerequisite: *None*

This is a course dealing with various branches of Philosophy such as Metaphysics, Epistemology, Theology, and Ethics. Schools of thought explored are: Idealism (Socrates, Plato, Kant, Hegel, etc.), Rationalism (Descartes, St. Anselm, Leibnitz, Spinoza, Chomsky, etc.), Empiricism (Aristotle, St. Augustine, Locke, Berkeley, Hume, etc.), Skepticism (Protagoras, Descartes, Kant, and Hume), Determinism (Skinner, Marx, etc.), Existentialism (Kierkegaard, Nietzsche, Sartre, etc.), and Utilitarianism (Epicurus, the Ceramics, Bentham, and Mill).

Psychology

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

103433 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Psychology is the scientific study of human behavior and mental processes. Topics covered are history, methods of research, major schools of thought, theories of learning, memory and forgetting, thinking and reasoning, biological influences on behavior, sensation and perception, sleep and dreams, human development, motivation and emotion, theories of personality, intelligence, psychological testing, stress and conflict, behavior disorders and ways of treating them, and social factors which influence human behavior. *Psychology*, because of its broad applications to many professions, scientific specialties, and daily living, can help one develop important thinking and reasoning skills.

Psychology (Advanced Placement)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

Not offered as block

Singleton Course Number/Projected Times:

553447 / 7th and 8th singletons only

Prerequisite: *None*

This course is an in-depth introduction to psychology taught at a college level. Students must take notes, read extensively, write, and think critically. A degree in Psychology can help prepare students for a variety of graduate programs in the field of psychology, education, law, medicine, and other health professions. Students prepare for an Advanced Placement exam in the spring. This course includes a more in-depth study of all topics offered in Psychology. Please note that students who have had the general psychology course may take AP Psychology.

Sociology

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

103432 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Sociology provides the student with an overview of the functions of the institutions of family, education, government, economy, and religion as a part of society. Among topics discussed are history of sociology, research methods and socialization, groups, gender, social theories, social stratification, culture, and social problems such as, poverty, crime, overpopulation, prejudice and discrimination, drug abuse, and divorce. Social issues such as gun control, capital punishment, AIDS, and genetic engineering may be studied, analyzed, and evaluated.

World Languages Department

Levels I and II of any World Language should be taken in consecutive semesters.
College-bound students are encouraged to begin a World Language sequence as early as possible.

CHINESE

Chinese I

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

123091 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None.*

This first year course is designed as an introduction to the Chinese language and the culture of China. Students will learn elementary vocabulary, pronunciation, and grammar essential for basic communication with Chinese speakers. Reading, writing, listening, and speaking are practiced through a variety of activities.

Chinese II

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

123092 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Chinese I.*

The purpose of this course is to improve and augment skills gained in *Chinese I*. Through the continued exposure to the language and by expanding vocabulary and more complex grammar, students improve both written and spoken communication skills. Reading, writing, listening, and speaking are practiced through a variety of activities.

Chinese III

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

123093 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Chinese II*

This course is a continuation of the listening, reading, writing, and speaking skills learned in *Chinese II*. Due to the nature of this course, students must be mature, self-motivated, and be able to work independently. This honors course includes advanced vocabulary and grammar with emphasis on verb forms and more complex syntax. Emphasis is placed on aural comprehension with increased activities in speaking and writing. The Chinese language is used extensively in class.

FRENCH

French I

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103041 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None.*

This first year course is designed as an introduction to the French language and the culture of French-speaking countries. Students will learn elementary vocabulary, pronunciation, and grammar essential for basic communication with French speakers. Reading, writing, listening, and speaking are practiced through a variety of activities.

French II

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103042 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *French I.*

The purpose of this course is to improve and augment skills gained in *French I*. Through the continued exposure to the language and by expanding vocabulary and more complex grammar, students improve both written and spoken communication skills. Reading, writing, listening, and speaking are practiced through a variety of activities.

French III (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

303043 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *French II*

This course is a continuation of the listening, reading, writing, and speaking skills learned in *French II*. Due to the nature of this course, students must be mature, self-motivated, and be able to work independently. This honors course includes advanced vocabulary and grammar with emphasis on verb forms and more complex syntax. Emphasis is placed on aural comprehension with increased activities in speaking and writing. The French language is used extensively in class.

French IV (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

303084 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *French III*

This is an advanced course for highly motivated students who are able to work independently. This class demands full participation and is taught primarily in French. Students master advanced grammatical concepts to enable them to be more proficient in speaking, comprehending, reading, and writing French. Students will read authentic materials including, but not limited to, articles, short stories, and plays. Students will be expected to write essays and journals based on their readings. The students will converse with the teacher, in groups, and in one-on-one situations. This course is typically taught concurrently with French V/AP.

French V (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

503084 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *French IV*

This course is geared strictly to the Advanced Placement curriculum and is taught primarily in French. The goal is to prepare the student to successfully complete the College Board Advanced Placement Exam for French Language. Students study French literature and film, as well as current events and issues. Students prepare for the AP exam with the aide of previous AP exams, National French Exams, and SAT-II French Exams. This course is typically taught concurrently with French IV.

GERMAN

German I

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

103051 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is an introduction to the German language and the culture of the German-speaking countries. Students learn pronunciation, vocabulary, and grammar essential for basic communication with German speakers. Reading, writing, listening, and speaking are practiced through a variety of activities.

German II

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103052 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *German I*

The purpose of this course is to expand the skills gained in *German I*. Through the continued exposure to the language and by expanding vocabulary and more complex grammar, students improve communication skills.

German III (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

303053 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *German II*

This is an advanced course for students who show a true interest in the language and are motivated to achieve conversational proficiency beyond everyday conversations. Because of the nature of this course, students must be mature, self-motivated, and be able to work independently. Students read authentic materials, write essays and journals, expand grammar concepts, and improve conversation skills with native speakers as well as with each other. The German language is used extensively in this class.

German IV (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

313054 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *German III*

This is an advanced course for highly motivated students who are able to work independently. Students are expected to read authentic materials (including classic German literature), write extensive essays and journals, improve their conversation skills, and actively improve their grammar. This class is taught primarily in German and may be combined with *German V*.

German V (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

503085 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *German IV*

This is an AP Level course taught primarily in German. Students study literature and film, as well as current events and issues. Students prepare for the German AP exam with the aid of previous AP exams and National German Exams.

LATIN

Latin I

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103031 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course introduces Latin grammar, vocabulary, and translation with an emphasis on reading comprehension in Latin. Simple prose readings provide a survey of classical Roman culture and mythology. Some speaking and writing in Latin serve to improve students' understanding of grammar and vocabulary. Points of comparison between Roman and American culture may include ethics, government, family life, and social customs.

Latin II

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

103032 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Latin I*

This course continues the study of Latin grammar with more complex grammar and longer stories. Study of Roman myth and culture is expanded to include a survey of Roman history from its legendary origin to the beginning of the republic. The emphasis on reading comprehension in Latin continues.

Latin III (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

303033 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Latin II*

This course completes the formal study of Latin grammar and provides students with a brief survey of Latin literature from republican times through the Middle Ages and even considers some contemporary Latin. Related cultural study will include a survey of Rome's political history from the beginning of the republic to the decline of the empire.

Latin IV (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

303083 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Latin III*

This is a college-level course emphasizing proficiency in translating Vergil or Caesar in preparation for the Latin AP exam. Sight translations, scansion, vocabulary, classical drama, advanced Roman history, and mythology are also included. The plot, theme, and characters The Aeneid by Vergil or The Gallic Wars by Julius Caesar are studied and analyzed. Students learn the metrical scansion of Latin poetry, study classical figures of speech and intensively review vocabulary. The class is typically a Latin IV-Latin V combination.

Latin V (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

503083 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Latin IV*

This is an Advanced Placement course emphasizing a high level of proficiency in translating and understanding Latin literature in the original language. Picking up where they ended in Latin IV, students will carry on with either Caesar or Vergil, whichever they did not study in that class.

SPANISH

Spanish I

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

113021 / Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

The first year course is designed to initiate the student in the proper pronunciation of the basic sounds of Spanish and to begin the building of a vocabulary and knowledge of grammar necessary for the study of the language. The student should have a good ear for sound and a desire to learn the language in all facets: hearing, speaking, reading, and writing.

Spanish II

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

123022 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Spanish I*

The second year course is designed to strengthen and enlarge the basic skills begun in the first year and to permit the student to begin to apply these in a more abstract manner. Emphasis is placed on increasing accuracy and language ability. The class provides an overview of the cultures of Spanish speaking countries.

Spanish III (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

313023 / Fall Semester Block preference

323023 / Spring Semester Block preference

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Spanish II*

The third year class focuses on verb forms and more complex syntax. Emphasis is placed on aural comprehension with increased activities in speaking and writing. This course should be taken in the fall if the student plans on stopping after Spanish III. For those students planning on Spanish IV/V, the course should be taken in the spring .

Spanish IV (Honors)

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

313024 / Fall Semester Block preference

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Spanish III*

The fourth class demands full participation and is taught primarily in Spanish. Students master advanced grammatical concepts to enable them to be more proficient in speaking, understanding, reading, and writing. Students read articles, short stories, and periodicals, and write essays based on their reading. The students perform dramatization based on given situations. The students converse in groups and in one-on-one situations.

Spanish V (Advanced Placement)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

503025 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Spanish IV*

The fifth year class is geared strictly to the Advanced Placement curriculum. The goal is to prepare the student to complete successfully the Advanced Placement Examination for the Spanish Language.

CAREER AND TECHNICAL EDUCATION

Career and Technical Education provides students many opportunities to explore practical applications of various career options. Courses in the area are designed for all students - those who plan a four-year degree, those who plan to attend technical schools/community colleges, and those who intend to enter the work force upon graduation. Students who plan to attend a four-year college can gain a competitive edge in the job market by completing technical education classes and mastering related course competencies along with college preparatory courses.

The CTE program areas are related to the following 14 nationally recognized Career Clusters:

1. Agriculture, Food, and Natural Resources
2. Architecture/Mechanical and Construction
3. Audio Visual Communications Arts, Audio/Visual Technology & Communication
4. Business Management and Administration
5. Finance
6. Health Science
7. Hospitality and Tourism
8. Human Services
9. Information Technology
10. Law, Public Safety, Corrections & Security
11. Manufacturing
12. Marketing
13. STEM
14. Transportation, Distribution, and Logistics

Each cluster and its respective programs of study are listed in the chart in this section of the catalog. Upon selecting a Program of Study or Career Cluster, the student can pursue a focused elective by earning three credits from within that Program of Study or Career Cluster. Each cluster is outlined in detail.

Work-Based Learning

Work-Based Learning (WBL) activities are part of a structured system, open to all students, at the high school level who meet the criteria set forth. The activities allow students to apply classroom theories and explore career options at the work site, as well as connect classroom learning to work. WBL is not a stand-alone class. It is a method of instruction that enhances a related class or program of study in which a student is enrolled or has completed successfully. The student may earn additional credit in the related class in which the student is enrolled at the same time as the WBL experience or through a supplemental course code that directly follows the successful completion of a related course. The WBL does not replace the regular class instruction time. WBL opportunities are available for Juniors and Seniors (at least 16 years old). Students should ask their CTE teacher, Guidance Counselor, or Career Counselor if interested in WBL.

Youth Organizations

In each CTE course a youth organization is offered to the student that provides leadership skills that complement the career skills being taught in the classroom. Students have the opportunity to participate on a local, regional, state and national level. The students will participate in citizenship, community activities, school activities and possibly compete in skills competitions at a local, regional, state, and national level. These Career and Technical Student Organizations (CTSO) are:

- FFA
- Health Occupations of America
- Future Business Leaders of America
- Distributive Education Clubs of America
- First US Robotics
- Technology Student Association
- Skills USA

Career Counselor

The Career Counselor provides support to the instructional programs with specific responsibilities for providing students with information on post-secondary educational opportunities, administering and interpreting career assessment tools and planning on-site presentations by college and career representatives. A student may be referred to the Career Counselor by a classroom teacher, his or her Assistant Principal, and/or the Counseling office.

In-School Youth Grant Program (WIA)

The Workforce Investment Act (WIA) In-School Program provides educational and employment assistance to qualified high school students. It is a cooperative effort between Northeast State, local high schools, and the Alliance for Business and Training (AB&T). Program participants must meet income guidelines. Program activities include; tutoring and study skills training, summer employment opportunities, leadership development, and adult mentoring. All services are offered at no charge to participants. For more information contact the WIA representative at 378-8567.

Choose Your Pathway to Success

Tennessee's Career Clusters

2013-14 Programs of Study

CTE Standards Reform: Phase II (2014-15)



Credit By Examination Dobyns-Bennett students will have the opportunity to earn college credits through Northeast State and ETSU by passing an exam upon completion of the Dobyns-Bennett course. The following credits by examination courses are available:

Dobyns-Bennett Course		Northeast State Course Number	Course Name	ETSU Course Number	Course Name
Business and Marketing					
Accounting I and Accounting II		ACCT1010	Principles of Accounting	ACCT2010	Principles of Accounting I
Business Management		BSMG1110	Principles of Business	BADM1130	Introduction to Business
Business Principles		BSMG1110	Principles of Business		
Information Technology					
Computer Applications		INFS1010	Computer Applications		
Computer Systems		CISP1290	Micro Computer Operating Systems		
Electrical and Electronics		AUTO1120	Electrical		
Engine Performance		AUTO2140	Engine Analysis		
Informational Technology Foundations		CISP2400	Micro Computer Control		
Web Page I		CISP1150	Essentials of Web Design		
Manufacturing					
Electromechanical I and II		ELEC1110	DC Fundamentals		
Government and Public Administration					
Criminal Justice		CJCR1100	Criminal Justice		
Health Science					
Nursing Education		EMTP1015	CPR		
Architecture					
CAD and CAD (Advanced)		ENGR1110 OR MATT1510	Engineering Graphics Blue Print Reading	ENTC2170	CADD
Hospitality and Tourism					
Culinary Arts I and II		CULN2105	Sanitation and Safety		

Career Clusters

Agriculture, Food, and Natural Resources				
Program of Study	Recommended Course Sequence:			
Horticulture Science	Agriscience*	Principles of Plant Science & Hydroculture	Greenhouse Management*	Landscaping & Turf Science
Veterinary and Animal Science	Agriscience*	Small Animal Science	Large Animal Science	Veterinary Science*

*Agriscience satisfies one lab science credit required for graduation

**Greenhouse Management is State Approved dual credit course

*** Students can participate in Supervised Agricultural Experience with these courses

Architecture/ and Construction				
Program of Study	Recommended Course Sequence:			
Production Design	Computer-Aided Drafting I	Computer-Aided Drafting II	Advanced Drafting and Design	Entrepreneurship

Arts, Audio-Visual Technology, and Communications				
Program of Study	Recommended Course Sequence:			
Journalism and Broadcasting	Journalism (Optional)	Broadcasting I	Broadcasting II	Broadcasting III

Business, Finance, and Marketing				
Program of Study	Recommended Course Sequence:			
Business Management	Business Principles and/or Computer Applications	Exploration of Marketing	Accounting I	Business Management
Banking and Finance	Business Principles and/or Computer Applications	Personal Finance and Business Economic	Accounting I	Banking and Finance
Accounting	Business Principles and/or Computer Applications	Accounting I	Accounting II	
Entrepreneurship	Exploration of Organizational Leadership & Marketing	Marketing and Management I Principles	Entrepreneurship	
Sports and Entertainment Management	Marketing & Management I Principles	Travel and Tourism Operations	Sports and Entertainment Management	Advertising and Public Relations
Marketing and Finance	Exploration of Marketing	Marketing I	Personal Finance/ Business Economics	Accounting I

STEM				
Program of Study	Recommended Course Sequence:			
Project Lead-The-Way Engineering	Introduction to Engineering	Principles of Engineering	Computer Integrated Manufacturing	Engineering Design and Development

Law, Public Safety, Corrections, & Security				
Program of Study	Recommended Course Sequence:			
Law Enforcement Services	Criminal Justice I	Criminal Justice II	Criminal Justice III	

Health Science				
Program of Study	Recommended Course Sequence:			
Therapeutic Nursing Services	Health Science Education	Medical Therapeutics	Anatomy/Physiology	Nursing Education
Therapeutic Clinical Services	Health Science Education	Medical Therapeutics	Anatomy/Physiology	Clinical Internship
Pharmacy Tech	Health Science Education	Medical Therapeutics	Anatomy/Physiology	Pharmacy Tech

Hospitality and Tourism				
Program of Study	Recommended Course Sequence:			
Food and Beverage Services	Culinary Arts I	Culinary Arts II	Culinary Arts III	Entrepreneurship
Hospitality & Tourism Management	Marketing & Management I	Travel & Tourism Operations	Advertising & Public Relations	

Human Services				
Program of Study	Recommended Course Sequence:			
Cosmetology	Principles of Cosmetology	Design Principles Cosmetology	Chemistry of Cosmetology	Entrepreneurship

Information Technology				
Program of Study	Recommended Course Sequence:			
Networking Systems- A+ and Networks + Certifications	Gaming*	Information Technology Foundations	Networking I	Computer Systems And Cabling and Internetworking
Networking Systems- A + Certification	Gaming*	Information Technology Foundations	Computer Systems	Voice and Data
Web Design	Computer Applications OR Video Game Design	Web Page I	Web Page II	Web Page III
Game Design and Logic	Video Game Design	Game & Program Logic I	Game & Program Logic II	AP Comp Science or App. Development

*Gaming is suggested as a starting point if the student has not completed Algebra I otherwise, Information Technology Foundations

Manufacturing				
Program of Study	Recommended Course Sequence:			
Electromechanical Technology	Principles of Manufacturing	Intro to Electromechanical Technologies	Electromechanical I	Electromechanicals II

Transportation, Distribution, and Logistics				
Program of Study	Recommended Course Sequence:			
Automotive Maintenance and Light Repair	Maintenance and Light Repair I	Maintenance and Light Repair II	Maintenance and Light Repair III	Maintenance and Light Repair IV
Automotive Collision Repair	Transportation Core (required)	Collision Repair - Non Structural	Collision Repair- Painting and Refinishing	Collision Repair: Structural

Agriculture, Food, and Natural Resources

Horticulture Science

Students enrolled in any Agriculture class will be required to work on the class outdoor project for the semester. This may include, and is not limited to: landscape installation, plant ID walks, service projects at Bays Mountain, plant propagation in the greenhouse, supervised handling and maintenance of animals, etc

Agriscience

Grade Level: 9 -10 **Credit:** 1

Block Course Number/Projected Times:

105957/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *This course is an introduction to the Agriculture cluster for students who are interested in landscaping and turf science and veterinary science.*

Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. This course counts as a lab science credit towards graduation and college entrance requirements.

Greenhouse Management

Grade Level: 10 -12 **Credit:** 1

Block Course Number/Projected Times:

115954 / Fall Semester

125954/ Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Agriscience*

This course is an applied knowledge course designed to prepare students to manage greenhouse operations. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques. It provides students with the technical knowledge and skills needed to prepare for further education and careers in horticulture production. Greenhouse Management is a dual credit course with statewide articulation.

Landscaping and Turf Management

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

115951 / Fall Semester

125951 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Agricultural Science.*

This course includes standards to prepare students for creating beautiful environments for homes and businesses. This study includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.

Principles of Plant Science and Hydroculture

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

TBD/Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Greenhouse Management and Biology.*

Course Description

Principles of Plant Science and Hydroculture focuses on essential knowledge and skills related to the science of plant growth. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics.

Supervised Agriculture Experience

Grade Level: 9-12 **Credit:** ½ per year for a maximum of 2

Interested students should see the Horticulture teacher to obtain information about this program.

Agriculture, Food, and Natural Resources

Veterinary and Animal Science

Students enrolled in any Agriculture class will be required to work on the class outdoor project for the semester. This may include, and is not limited to: landscape installation, plant ID walks, service projects at Bays Mountain, plant propagation in the greenhouse, supervised handling and maintenance of animals, etc.

Agriscience

Grade Level: 9 **Credit:** 1

Block Course Number/Projected Times:

105957/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *This course is an introduction to the Agriculture cluster.*

Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. This course counts as a lab science credit towards graduation and college entrance requirements..

Small Animal Science

Grade Level: 10 **Credit:** 1

Block Course Number/Projected Times:

115958 / Fall Semester A or B Block

125958/ Spring Semester B block

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Agriscience*

Small Animal Science is an applied course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of small animals, as well as careers, leadership, and history of the industry.

Large Animal Science

Grade Level: 11 **Credit:** 1

Block Course Number/Projected Times:

105955 / Fall Semester A or B Block

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Agriscience*

Large Animal Science is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership and history of the industry.

Veterinary Science

Grade Level: 12 **Credit:** 1

Block Course Number/Projected Times:

105961 / Spring Semester only A Block

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Agriscience and Small Animal Science or Large Animal Science*

Veterinary Science is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant or pursuing variety of scientific, health or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. This course counts as a lab science credit towards graduation and college entrance requirements.

Supervised Agriculture Experience

Grade Level: 9-12 **Credit:** ½ per year for a maximum of 2

Interested students should see the Veterinary teacher to obtain information about this program.

ARCHITECTURE/MECHANICAL-CAD

Computer-Aided Drafting I

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

106037 / Varies

Singleton Course Number/Projected Times:

Not offered

Prerequisite: *None.*

Students will learn the basic concepts of scale drawings and orthographic projections by making simple two- and three-dimensional drawings using manual drafting tools and computer-aided design (CAD). With CAD software students will learn to develop increasingly sophisticated drawings. Students work in teams, to create in a class project including a complete set of construction and assembly drawings for a mechanical application.

Computer-Aided Drafting II

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

106039 / Fall Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Computer-Aided Drafting I*

This is a course in which students learn advanced two-dimensional and basic three-dimensional concepts of scale drawings and orthographic projections using a software program. Course content will enable individual students to create increasingly sophisticated drawings using a software program and will culminate in the creation of a complete set of construction and/or assembly drawings for a mechanical project.

Drafting and Design-Advanced

Grade Level: 10-12 **Credit:** 1 (max 2)

Block Course Number/Projected Times:

106038 / Spring Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Computer Aided Drafting I and II*

This course identifies and compares the various occupational avenues available in the field of architecture. The students are exposed to the individual drawings that together form a set of architectural working drawings. Students learn about plot plans, floor plans, mechanical plans, electrical plans, and structural plans, elevations, section details, and written specifications. Students learn to draw and properly place basic architectural symbols on architectural working drawings.

Computer Aided Drafting Work-Based Learning

Interested students should see the CADD teacher to obtain an application and approval prior to their pre-registration appointment.

AUDIO-VISUAL TECHNOLOGY AND COMMUNICATIONS

Broadcasting I

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

106049 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is offered for students interested in either the Audio and Video Technologies sub-cluster or the Journalism and Broadcasting sub-cluster of the arts and communication cluster. The overlap in these industries is extensive as can be witnessed in television, music, radio, newspaper, Web-cast, and entertainment just to name a few. This course is the entry-level course to prepare students for the media industry. Course content provides a broad-based exposure to audio, video, and journalism and broadcasting within the media industry. Upon completion of this course, students will be prepared to pursue advanced coursework in either audio and video technology or journalism and broadcasting.

Broadcasting II

Grade Level: 10-12 **Credit:** 1 (2 max)

Block Course Number/Projected Times:

106050 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Broadcasting I*

This course is offered in the audio and video technology sub-cluster to students who have completed Broadcasting I or obtained instructor's approval. Course content focuses on broadcast production technologies utilizing simulated and/or real-life projects. This course centers on production of various broadcasting products including, commercials, music, news, and interactive programming. The student will gain valuable insight into the many facets of broadcast production, including but not limited to concept creation, scripting, sound design, visual design, engineering, editing, budgeting, and producing, as well as exploring some of the latest advances in industry technology. Upon completion of this course, students will be prepared to pursue advanced coursework in film and documentaries.

Broadcasting III

Grade Level: 11-12 **Credit:** 1 (3 max)

Block Course Number/Projected Times:

106083 / Spring Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Broadcasting II*

This course is offered in the Journalism and Broadcasting sub-cluster to students who have completed Broadcasting I and Broadcasting II and obtained the instructor's approval. This course focuses on simulated real-life broadcast production and management. Projects center on in-house production of newscasts, special events, and original programming. The student will gain valuable insight into both audio and video sides of the broadcasting industry. Course content is composed of scripting, reporting, directing, editing, budgeting, and producing, as well as cameras, lights, sound, and set design. This course will explore the latest digital technology and applications, research, and future trends in the broadcast industry. Upon completion of this course students will be prepared to pursue post-secondary education or enter the broadcasting industry in an entry level position. The educational laboratories will assimilate broadcast facilities in the broadcast industry.

BUSINESS, FINANCE, & MARKETING

The Business and Marketing departments work closely together to allow students to explore their interest and further their knowledge within business, finance and marketing. Students choosing to enroll for Business and Marketing courses will assure them of increasing skills such as leadership, teamwork, problem-solving and college readiness. The benefits of Business and Marketing courses do not stop at high school, however, but continue on by giving students the opportunity of expanding their college endeavors through local, regional and state wide post-secondary recognition.

Accounting I

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

105910 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IB*

Accounting I introduces concepts and principles based on a double-entry system of maintaining financial records for a service business organized as a sole-proprietorship and a merchandising business organized as a corporation. It includes analyzing business transactions, journalizing, posting and preparing worksheets and financial statements. Students will be introduced to both manual and automated accounting procedures.

Accounting II (this course is offered every other year and will not be available in 2014-15)

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105911/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Accounting I.*

Accounting II is an advanced study of concepts, principles, and techniques used to keep the financial records of sole, proprietorship, partnership and corporation. Departmental, managerial cost and not-for-profit accounting systems are explored. Students may earn college credit at Northeast State or East Tennessee State University by taking this course.

Advertising and Public Relations

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105936 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Personal Finance or one prior marketing course*

Advertising and Public Relations is designed to develop an understanding of concepts and strategies needed to communicate information about products, services, ideas and/or images to achieve a desired outcome. This applied knowledge course addresses skills essential to the creative side of the industry and explores consumer behavior patterns and motivations for buying. Students will demonstrate proficiency in fundamental advertising and public relations concepts by creating an electronic portfolio of representative course projects demonstrating a progressive level of skills and knowledge. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee Common Core State Standards in Mathematics, as well as Tennessee Sociology and Psychology standards.

Business Management

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105889 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None.*

This course is for students interested in business, business ownership and management. Students study how business interacts with government and society. They study forms of ownership and ways of managing both human and physical resources. Students give class presentations and schedule guest speakers. Students may earn college credit at Northeast State and ETSU by taking this course.

BUSINESS FINANCE, & MARKETING

Business Economics (paired with Personal Finance)

Grade Level: 11-12 **Credit:** 1/2

Block Course Number/Projected Times:

105898 / Varies

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *None.*

This course provides an in-depth study of fundamental concepts, free enterprise trading practices, and the various players in the economic system. Topics include the production, marketing and distribution of goods and services, as well as the roles of financial institutions, the government, and the individual within the free enterprise system. Students will explore various careers related to the economy. International trade and economics have become an integral part of business economics. This course will be paired with the 1/2 credit of *Personal Finance*. **This course will satisfy the Economics requirement for graduation.**

Banking and Finance

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

105899 / Varies

This course is only offered every other year

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *One prior business course*

Banking and Finance is a course designed to challenge the student with real banking and financial situations through a partnership with a local financial institution that would bring resources of mentors, seminars, and hands on experience with day-to-day operations. Completion of this course will provide students with a basis for secondary education in finance and special job skills in banking and financial institutions. Ethical issues will be presented in the course.

Business Principles

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

105905 /varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Business Principles is a core course in which students are introduced to all aspects of business: the domestic and international economies, financial principles, management strategies, administrative and information systems, ethics, and organizational and professional leadership. Students will analyze the elements of the business environment and focus on attitudinal and problem-solving skills inherent to success.

Computer Applications

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

105891 / Varies

Singleton Course Number/Projected Times:

155891/ 1st and 2nd singletons

Prerequisite: *None*

This course prepares the student for other classes where computers are used as well as college and the work place. Students learn proper keyboarding techniques and drill for speed and accuracy. Students obtain a basic knowledge of several software packages including a word processor, a spreadsheet, and presentation software. Students also study the terminology, functions, and uses of computers in our world. This class is strongly recommended for all students. Students may earn college credit at Northeast State by taking this course.

Entrepreneurship

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105934 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *One prior business course, one marketing course or Economics*

The course includes enhanced marketing information as it relates to entrepreneurial activities. Subject matter includes introductory entrepreneurial concepts, business plan and development, management responsibilities, and legal and ethical issues of business ownership. Entrepreneurship is also available to twelfth-grade students who have completed at least one year of related study in another Career and Technical area, and have an interest in owning their own business.

BUSINESS FINANCE, & MARKETING

Introduction to Marketing

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

105941 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is designed to introduce and provide an overview of marketing and management, as well as employment opportunities available in these fields. Students will explore important marketing concepts, functions, personality traits, and communication necessary for marketing and management careers.

Marketing I

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

205931 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Introduction to Marketing*

This course focuses on the study of marketing concepts and their practical application. Students will examine risks and challenges marketers face to establish a competitive edge. Subject matter includes economics, marketing foundations/functions and human resource leadership development. Skills in communication, mathematics, economics and psychology are reinforced in this course.

Personal Finance (pair with Business Economics)

Grade Level: 11-12 **Credit:** ½

Block Course Number/Projected Times:

105901 / Varies

Singleton Course Number/Projected Times:

Not offered as a singleton when paired with Business Economics

Prerequisite: *None*

Personal Finance is a course designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

Sports and Entertainment Marketing

Grade Level: 11-12 **Credit:** 1 (students may earn two additional credits in work-based learning)

Block Course Number/Projected Times:

105939 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Intro to Marketing and either Management I Principles or Travel and Tourism*

This course is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

Travel & Tourism

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

105933 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Travel and Tourism is a growing industry encompassing a variety of businesses and employment opportunities. This course prepares students for gainful employment and/or post-secondary training in the industry of travel and tourism. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing the human relations, communications and technical skills needed for advancement.

ENGINEERING TECHNOLOGY: PROJECT LEAD-THE-WAY

Introduction to Engineering Design (IED) Project Lead-The-Way

This is the first course in the Project Lead-The-Way sequence

Grade Level: 9-12 **Credit :** 1

Block Course Number/Projected Times:

106054/ Varies

Singleton Course Number/Projected Times:

Not offered as a singleton

Prerequisite: *Course assumes no prior knowledge but, students should have a strong math background.*

Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity, project, and problem based learning. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use a state of the art 3D solid modeling design software package to help them design solutions to solve proposed problems and print their solutions on a 3D printer. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Introduction to Engineering Design™ is the first of two foundation courses in the Project Lead The Way® high school engineering program. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Principles Of Engineering (POE) Project Lead-The-Way

This is the second course in the Project Lead-The-Way sequence

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

106052/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra 1B; Priority will be given to students who completed Introduction to Engineering Design (IED).*

This class is a high school level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. POE challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. Students will employ engineering and scientific concepts in the solution of engineering design problems, as well as, develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. Tennessee Tech PLTW (Project Lead the Way Credit) – ENGR 1210 (1 credit hour) will be awarded to secondary school students who participate in the "Project Lead the Way" and achieve a minimum grade 70% on the nationalized "Final Exam on Principles of Engineering". The requesting student will need to have his/her test score sent to Tech.

Computer Integrated Manufacturing Project Lead-the-Way

This is the third course in the Project Lead-The-Way sequence

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

106055/ Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Introduction to Engineering Design (IED) and Principles Of Engineering (POE).*

Computer Integrated Manufacturing is a high school level course that is appropriate for 10th-12th grade students interested in manufacturing and automation. The course is the study of manufacturing planning, integration, and implementation of automation. The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality, and efficiency. Utilizing the activity-project-problem-based teaching and learning pedagogy, students will analyze, design, and build manufacturing systems. While implementing these designs, students will continually hone their interpersonal skills, creative abilities, and understanding of the design process. Students apply knowledge gained throughout the course in a final open-ended problem to build a factory system. CIM is one of the specialization courses in the Project Lead The Way High School Engineering Program. The course applies and concurrently develops secondary-level knowledge and skills in mathematics, science, and technology.

Engineering Design and Development Project-Lead-The-Way (not offered 2014-15, offered 2015-16)

This is the fourth course in the Project-Lead-The-Way sequence

Grade Level: 12 **Credit:** 1

Block Course Number/Projected Times:

106059 / Varies

Singletons Course Number/Projected Times:

Not offered as singleton

Prerequisite: Introduction to Engineering Design (IED), Principles of Engineering (POE), and Computer Integrated Manufacturing (CIM).

Engineering Design and Development is a high school level capstone course. Students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students.

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Criminal Justice I

Grade Level: 9 -12 **Credit:** 1

Block Course Number/Projected Times:

115987 / Fall Semester

125987 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This introductory course prepares students for work-related knowledge and skills for advancement into the second level of legal and protective service careers. Course content focuses on planning, managing, and providing judicial, legal, and protective services based on the laws of the state. The course provides an overview of the legal justice system and builds a better understanding of the development federal and international levels. New technology and career opportunities in legal and protective service are an integral part of the course. Students test for certification in Cardio Pulmonary Resuscitation (CPR) provided this material is covered in the course.

Criminal Justice II

Grade Level: 9 -12 **Credit:** 1

Block Course Number/Projected Times:

115988/ Fall Semester

125988 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Criminal Justice I*

This course offers an in-depth study in which current legal and protective careers issues are discussed and debated. Local, state, federal, and international laws are analyzed. Students compare legal and protective service careers in the United States with those in other countries. Students have the opportunity to participate in course-related mock trials and field trips. Course content introduces new technology, effects of forensic analysis, and career opportunities. Additionally, this course includes information for planning, managing, and providing judicial, legal, and protective services.

Criminal Justice III: Investigations

Grade Level: 10-12 **Credit:** 1 (2 credits max)

Block Course Number/Projected Times:

105989/ Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Criminal Justice II*

The course calls upon students to engage in a variety of professionally used information-gathering techniques, including conducting interviews, making observations at courthouses, researching, formulating, and evaluating statistical data through Place-Based Learning. Individual and group activities help students develop problem-solving and teamwork skills in conjunction with development of academic skills. This program uses as its foundation workplace related experiences; students are expected to travel outside the classroom as part of their research-gathering activities that provide more context, detail, and real-life activities. This course is designed for seniors wanting to continue their education in legal/protective service careers.

HEALTH SCIENCE

Anatomy and Physiology

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105991 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Biology*. *Students pursuing a focused elective in the Health Sciences may sign up for this course during registration. All others may claim any available seats after schedules are received.*

The student assesses human anatomy and physiological functions and descriptive results of abnormal physiology with clinical consequences and demonstrating knowledge of medical terminology. The students learn about infection control, genetic disorders and the disease process. Health Occupations Students of America (HOSA) is an integral part of the curriculum.

Clinical Internship

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105993 / D Block Fall Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Health Science Education and Medical Therapeutics. Must pass state-mandated tests, have 90% or higher attendance, no major discipline issues (fighting, theft, drugs, weapons, harassment, etc.), 3 teacher recommendations including one from the Med Therapeutics teacher. Anatomy/Physiology is recommended. Students will need maroon scrubs and to provide their own transportation. Carpooling is not permitted.*

Enrollment Limit: 15 Students Per Class.

Students may choose to complete a clinical internship after completing Health Science Education and Medical therapeutics. The internships will be completed in a hospital, nursing home, rehab center, medical office, or other health care related facility.

Health Science Education

Grade Level: 9-10 **Credit:** 1

Block Course Number/Projected Times:

115998 / Fall Semester

125998 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

The changing nature of health occupations by technological, socio-economical, and political factors has increased the demand for qualified and sensitive health care workers. Every health care worker needs a basic core of information to be successful in the health field. The student explores health career opportunities and career success. Included in the course studies is a history of health care, use of the metric system, safety, nutrition, community health, growth and development, and medical terminology. The student participates in Health Occupations Students of America (HOSA).

Medical Therapeutics

Grade Level: 10-11 **Credit:** 1

Block Course Number/Projected Times:

115999 / Fall Semester

125999 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Health Science Education.*

This course focuses on the skills and knowledge necessary for entry level into the various therapeutic (treatment) health careers. Students are presented with an introduction to client/patient interactions and communications, basic patient clinical assessment skills, related terminology, and business and administrative tasks related to these careers. Health Occupations Students of America (HOSA) is an integral part of this curriculum.

HEALTH SCIENCE

Nursing Education

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

106000 / A Block, Spring Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Health Science Education and Medical Therapeutics. Must pass state-mandated tests, have 90% or higher attendance, no major discipline issues (fighting, theft, drugs, weapons, harassment, etc.), 3 teacher recommendations including one from the Med Therapeutics teacher. Anatomy/Physiology is recommended. Students will need maroon scrubs, a watch with a second hand, leather-like work shoes, and provide their own transportation. Carpooling is not permitted. Students need to have a physical form completed, documentation of a recent tuberculosis skin test, current immunization record, and verification of Hepatitis B vaccine.*

Enrollment Limit: 15 Students per class.

Nursing Education is for students who want to learn the theory and skills needed to become a Certified Nursing Assistant. This State certification is required to work in this position. Students will find they will be learning life-long skills that will be valuable throughout life. Upon successful completion of the class work and required number of clinical hours, the student will be eligible to take the State Certification Exam. The student will total at least 100 hours in class lab/clinical site. Initially, the student will be in the classroom while basic required information and skills are presented. Health Occupations Students of America (HOSA) is an integral part of the curriculum.

Pharmacy Tech

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

125993 / Spring Semester/D Block

Singleton Course Number/Projected Times:

Not offered as singleton

Enrollment Limit: 15 Students Per Class

Prerequisite: *Health Science Education and Medical Therapeutics. Must pass state-mandated tests, have 90% or higher attendance, no major discipline issues (fighting, theft, drugs, weapons, harassment, etc.), 3 teacher recommendations including one from the Med Therapeutics teacher. Anatomy/Physiology is recommended. Students will need maroon scrubs and to provide their own transportation. Carpooling is not permitted.*

This course provides an overview of skills and knowledge required to function successfully as a Pharmacy Technician. Pharmacy Technicians work in community or hospital pharmacies, assisting pharmacists in handling medications and serving patients. Upon successful completion of the class work and required number of clinical hours, the student will be eligible to take the Pharmacy Tech Certification Board Examination. Students will participate in Health Occupations Students of America (HOSA).

Health Science and Technology Work-Based Learning

Interested students should see the appropriate teacher to obtain an application and approval prior to their pre-registration appointment.

HOSPITALITY AND TOURISM

Culinary Arts

Culinary Arts provides students with the opportunity to explore the endless variety of careers with the Culinary/Hospitality industry. Students may choose to pursue careers in the following fields:

Chef – Line Cook – Pastry Chef – Wait Staff – Host/Hostess – Event Planner – Catering – Hotel/Motel Management – Food Science – Food Styling - ...and more. Students have the opportunity to participate in competitions, and to receive consideration for post-secondary culinary schools and work experience.

Culinary I & II or II & III may not be taken in the same semester.

Culinary Arts I

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

115979 / Fall Semester

125979 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is an in-depth study of the largest retail service industry in the world. Vast and varied opportunities are available to qualified individuals. Students explore career opportunities in the industry as well as the basics with hands-on experience in culinary arts.

Culinary Arts II

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

115980 / Fall Semester

125980 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Culinary Arts I*

Students trace the growth and development of the food production and service industry to gain insight regarding past, current, and future trends in the industry. Students learn the basic principles of safety, sanitation procedures, and commercial preparation skills for all menu categories to produce a variety of food products.

Culinary Arts III

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

105981 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Culinary Arts II*

Students demonstrate skills required for employment in the food production and service industry. Food production and service management functions are implemented. Students will participate and compete through Skills USA. Students will run all aspects of the Brigade system, from the front of the house operations to the back of the house operations.

Culinary Arts Work-Based Learning/Apprenticeship

Interested students must see the Culinary Arts teacher to obtain an application and approval prior to their pre-registration appointment.

HUMAN SERVICES

Principles of Cosmetology

(1st course of the Cosmetology Sequence)

Grade Level: 10–11 **Credit:** 1 (2 credits max)

Block Course Number/Projected Times:

115983 / Fall Semester

125983 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None. This course is not eligible to be repeated if a student makes lower than a C in the first attempt.*

This course, which is the first level of cosmetology, prepares students with work-related skills for advancement into the Design Principles of Cosmetology course. Content provides students the opportunity to acquire basic fundamental skills in both theory and practical applications of leadership and interpersonal skill development. Content stresses safety, environmental issues, and protection of the public and designers as integrated with principles of hair design, nail structure, and cosmetic procedures. Laboratory facilities and experiences simulate those found in the cosmetology industry. The hours that each student completes (with a passing grade) are reported to the Tennessee State Board of Cosmetology. These hours are kept on file for seven years from the date of enrollment. ARTICULATION: These hours may be accepted (testing may be required) by private Cosmetology schools in the state of Tennessee.

Design Principles Of Cosmetology

(2nd course of the Cosmetology Sequence)

Grade Level: 10–12 **Credit:** 1 (3 credits max)

Block Course Number/Projected Times:

115986 / Fall Semester

125986 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: Principles of Cosmetology. *This course is not eligible to be repeated if a student makes lower than a C in the first attempt.*

This course is the second level of cosmetology and prepares students for work-related skills and advancement into the Chemistry of Cosmetology course. Content provides students the opportunity to acquire knowledge and skills in both theory and practical application. Advanced knowledge and skills in hair design, nail artistry, and cosmetic applications will be enhanced in a laboratory setting, which duplicates cosmetology industry standards. The hours that each student completes (with a passing grade) are reported to the Tennessee State Board of Cosmetology. These hours are kept on file for seven years from the date of enrollment. ARTICULATION: These hours may be accepted (testing may be required) by private Cosmetology schools in the state of Tennessee.

Chemistry of Cosmetology

(3rd course of the Cosmetology Sequence)

Grade Level: 11–12 **Credit:** 1 (3 credits max)

Block Course Number/Projected Times:

105984 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: Principles of Cosmetology and Design Principles of Cosmetology. *This course is not eligible to be repeated if a student makes lower than a C in the first attempt.*

This course, which is advanced level of cosmetology, prepares students to perform work related services using chemicals in the cosmetology industry. Content provides students the opportunity to acquire foundation skills in both theory and practical applications. Laboratory facilities and experiences will be used to simulate cosmetology work experiences. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee State Board of Cosmetology examination for a Tennessee Cosmetology License. These hours are kept on file for seven years from the date of enrollment. ARTICULATION: These hours may be accepted (testing may be required) by private Cosmetology schools in the state of Tennessee.

INFORMATION TECHNOLOGY-NETWORKING

Computer Systems: Operating and Hardware

Grade Level: 9-12 Credit: 1

Block Course Number/Projected Times:

106094 / Spring Semester only

Singleton Course Number/Projected Times: Not offered as singleton

Prerequisite: *Information Technology Foundations*

This course is designed to prepare students with work-related skills and preparatory to the successful completion of the compTia A+ operating systems certification exam. Content provides the opportunity for in-depth knowledge and skill in both theory and practical application pertaining to DOS, Windows 9x, Windows XP, and Windows 2000 Pro. Procedures used are software oriented in the use, configuration and troubleshooting of the operating systems in various hardware environments including simple networking configurations. Some advanced hardware studies may be included. This course articulates to 4 credit hours at NSTCC and upon completion students may receive a voucher for 50% discount on the compTia A+ exam. Honors credit is awarded if student completes the certification test at the end of the course.

Game Programming---See Information Technology-Web Design section

Information Technology Foundations

Grade Level: 9-12 Credit: 1

Block Course Number/Projected Times:

106095 / Fall Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IB*

This course is designed to prepare students with work-related skills and is preparatory to successful completion of the compTia A+ hardware certification exam. Content provides the opportunity for in-depth professional knowledge and skill in both theory and practical application pertaining to components, troubleshooting, repairing, upgrading and installing computer equipment and simple networks. The course is constructed to aid repair and troubleshooting of client-side computers and Operating Systems. Coursework also includes computer numbering systems and logic circuit operations. This course articulates to 3 credit hours at NSTCC and upon completion students may receive a voucher for 50% discount on the compTia A+ exam.

Networking I

Grade Level: 10-12 Credit: 1

Block Course Number/Projected Times:

116097/ Fall Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Algebra IB*

The curriculum helps students develop workforce readiness skills and builds a foundation for success in networking-related careers and degree programs. Students learn the basics of routing, switching, and advanced technologies. Courses emphasize critical thinking, problem solving, collaboration, and the practical application of skills. Students will be prepared to take the Cisco CCENT® (Cisco Certified Entry Level Technician) certification exam after completing one semester of courses and the CCNA Routing and Switching certification exam after completing both semesters of courses. Though the course is reading intensive, most class time is spent hands-on in building networks and programming its devices for required functionality and security. These are real networks built with production devices, hence skills are highly transferable. Honors credit is awarded and 3 points will be added to the final numerical average if student completes the certification test at the end of the course.

Networking Essentials II

Grade Level: 10-12 Credit: 1

Block Course Number/Projected Times:

126097 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Networking I*

This course is part two of a two semester package designed to prepare students with work-related skills and is preparatory to the successful completion of the Certified Cisco Networking Associate(CCNA) exam, a world-wide recognized professional credential.

Students who complete the Routing and Switching Essentials course will be able to perform the following functions: Understand and describe basic switching concepts and the operation of Cisco switches such as VLANs, VLAN Trunking Protocol (VTP), Rapid Spanning Tree Protocol (RSTP), Per VLAN Spanning Tree Protocol (PVSTP), and 802.1q. Configure and troubleshoot basic operations of a small switched network. Understand and describe the purpose, nature, and operations of a router, routing tables, and the route lookup process. Configure and troubleshoot basic operations of routers in a small routed network. Also covered are topics required for the compTia A+ network exam. Students are required to take the CCNA exam as a part of this course.

Voice, Data, and Video Cabling

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

106093/ Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

Voice, Data, and Video Cabling is designed to equip technicians with the fundamental knowledge, skills, and abilities necessary to install, troubleshoot, and maintain today's commercial and home networks. This is a reading intensive class, however about 50% of class time is spent on hands on application of principles learn. This includes the making of cables, raceways, & socket boxes. Also is the wiring of small networks and creation of a wall field. Work is performed on coaxial, twisted pair and fiber cables. Course content presents the principles, which govern the architecture and design of systems and networks for connectivity of video, voice, and data communications. Course is prepares the student for the BICSI professional exam.

<p style="text-align: center;">INFORMATION TECHNOLOGY-WEB DESIGN AND GAME PROGRAMMING</p>
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Computer Applications-(Microsoft Word, Excel, PowerPoint)

Grade Level: 9-12 **Credit:** 1

Block Course Number/Projected Times:

105891 / Varies

Singleton Course Number/Projected Times:

155891/ 1st and 2nd singleton

Prerequisite: *None*

This course prepares the student for other classes where computers are used as well as college and the work place. Students learn proper keyboarding techniques and drill for speed and accuracy. Students use word processing, spreadsheets and presentation software. Students also study the terminology, functions, and uses of computers in our world. This class is strongly recommended for all students. Students may earn college credit at Northeast State by taking this course.

Game Programming

Grade Level: 9-12 **Credit:** 1

Block Course Number / Projected Times

105908/ Varies

Singleton Course Number / Projected Times:

Not offered as a singleton

Prerequisite: *None*

The Game Programming course is intended for students who have displayed a mastery of programming fundamentals such as HTML and Java. It is project-based where the student explores the entire game production process and gains experience working on a collaborative programming project. At the end of the course, each team of students should have participated in an entire game development cycle resulting in a complete, fully-functional game. This course uses pre-made software to create games.

Game Programming & Logic I

Grade Level: 9-12 **Credit:** 1

Block Course Number / Projected Times

106098/ Varies

Singleton Course Number / Projected Times:

Not offered as a singleton

Prerequisite: [Computer Applications](#), [Game Programming](#) or [Info Tech Foundations](#)

This course intended to teach students the basics of computer programming using an object oriented language. The course places emphasis on practicing standard programming techniques and learning the logic tools and methods typically used by programmers to create simple computer applications. The applications in this course will be focused upon game design. Upon completion of this course, students proficient in programming and logic can solve problems by planning multistep procedures. They are able to write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language. Students completing this course will be able to troubleshoot/debug programs and software applications to correct malfunctions and ensure their proper execution.

Game Programming & Logic II

Grade Level: 9-12 **Credit:** 1

Block Course Number / Projected Times

106099/ Varies

Singleton Course Number / Projected Times:

Not offered as a singleton

Prerequisite: Game Programming & Logic I

This course in which students will develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increasing complexity. The applications in this course will be the development of game design. Emphasis is on actual programming projects, both individual and group. Course content should be repeatedly applied to increasingly complex projects. Upon completion of this course the students should be prepared to enter a capstone course of either AP Computer Science or App. Development.

Web Site I

Grade Level: 10-12 **Credit:** 1 (2 max)

Block Course Number/Projected Times:

116100 / Fall Semester

126100 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course is the first level of Web Page Design, and it prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic Web design and the dynamics of networking/internetworking, Web hosting and Web design in e-commerce. Students will learn the basics of hand-coding web pages and using graphics editing software. Laboratory facilities and experiences simulate those found in the Web Page Design and construction industry. At the end of the course students are eligible to take the CIW Foundations exam to receive their CIW Foundations certification. In Preparation for the exam students will study three CIW manuals in addition to project work. Students will work on numerous projects throughout the course which allow them to practice techniques learned in Web page design. Students are expected to be able to work independently on projects and assignments. This course articulates to Tennessee Tech. University, PSTCC, and Northeast State Community College upon successfully passing the CIW Foundations exam will receive 3 hours credit.

Web Site II – Site Designer

Grade Level: 11-12 **Credit:** 1 (3 Max)

Block Course Number/Projected Times:

106101 / Spring Semester only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: Web Site I

This course is the second level of Web Page Design concentration, and it prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic and advanced Web design, pixelated and vector-based Web graphics, Web animations, dynamics of Web hosting, and Web design in e-commerce. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of Web design and of leadership and interpersonal skill development. Laboratory facilities and experiences simulate those found in the Web page design and Web page construction industry. Students will work on numerous projects throughout the course which allow them to practice techniques learned in Web page design. Students are expected to be able to work independently on projects and assignments. Further, this course provides for and directly maps to the Certified Internet Webmaster "Site Designer" national certification examination. Students are eligible to take the CIW Site Designer certification exam at the end of this course. This course articulates with three hours credit to Tennessee Tech. University, PSTCC, or Northeast State Community College.

MANUFACTURING-ELECTROMECHANICAL

Intro to Electromechanical

Grade Level: 9-10 **Credit:**1

Block Course Number/Projected Times:

116091 / Fall Semester

126091 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None*

This course, along with the Principles of Manufacturing course, provides the basic required skills to enter the Electromechanical Program of Study. These skills include: industrial safety practices, measurement and measuring tools, work ethics, proper use of hand tools and power tools, basic blueprint reading, drilling and taping, cutting and threading pipe, and research of local electromechanical (industrial maintenance) career opportunities. Hands on projects will be utilized to reinforce skills demonstrated in class.

Electromechanical I

Grade Level: 10-12 **Credit:** 1

Block Course Number/Projected Times:

106089 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Principles of Manufacturing and Intro to Electromechanical*

This course provides the basic required skills to enter the last course in the Electromechanical Program of Study – Electromechanical II, which prepares the student for entry into a 2-year associates program at Northeast State to prepare for an industrial maintenance career. These skills include: basics of stick welding, National Electric Code, conduit bending, conductor splicing/terminating, electrical protection devices, electrical test equipment, DC, AC, bench grinding, reading electrical prints and Process Instrument Diagrams, AC/DC motors, basic instrumentation (pressure, level, flow, temperature), and basic troubleshooting. This course articulates up to 4 credit hours at NSTCC.

Electromechanical II

Grade Level: 11-12 **Credit:** 1

Block Course Number/Projected Times:

106090 / Varies

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Electromechanical I*

This course provides the basic required skills to complete the Electromechanical Program of Study. These skills include: basics of mig welding, mechanical transmission, piping (bolted flange and screw piping, basic hydraulics, basic digital electronics, advanced troubleshooting, smart instruments, basics of programmable logic controllers, and basics of pump operation (gear, centrifugal, positive displacement).

TRANSPORTATION-AUTO MECHANICS

Maintenance and Light Repair (MLR-I)

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

115879 / Fall Semester

125879 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: None

Maintenance and Light Repair 1 (MLR- I) is the first course in the *Automotive Technology* program of study and serves as a foundation of safety skills and knowledge on becoming a professional service technician. The MLR- I course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. The curriculum prepares students for shop classes and is considered foundational, with the first 9 weeks being classroom work. All students must pass a safety test with 100% accuracy to meet the prerequisites of all other (MLR) Maintenance and Light Repair automotive classes. Upon completing all of the Maintenance and Light Repair courses, students may enter the automotive service industry as an (ASE) Automotive Service Excellence Student Certified MLR Technician after the industry certification test has been passed. (The ASE test will only be offered to Juniors and Seniors through secured computer based testing on campus)

Maintenance and Light Repair (MLR-II)

Grade Level: 10-11 **Credit:** 1

Block Course Number/Projected Times:

115880 / Fall Semester

125880 / Spring Semester

One class per semester unless approved by Instructor

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Maintenance and Light Repair (MLR-I)* and Passing the MLR-I Safety Test with a 100% accuracy.

Maintenance and Light Repair (MLR -II) is the second course in the *Automotive Technology* program of study and covers important skills and knowledge on becoming a professional service technician. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories.

This course prepares students for entry-level positions with training in automotive electrical and electronics systems.

Course content prepares the student with a foundation to enter the (MLR-III) automotive course. Students apply principles of electricity to automotive technology and develop diagnostic skills. The course provides students the opportunity to acquire marketable skills by training in the use of digital and analog voltmeters, ohmmeters, and amp meters; as well as test-lights, load testers and specialized electrical test equipment. Work experience is achieved thru the donation of vehicles and shop training modules in the shop in order to fulfill the hands-on portion of this course. Interactive work may be done on student vehicles at the discretion of the instructor.

TRANSPORTATION-AUTO MECHANICS

Maintenance and Light Repair (MLR-III)

Grade Level: 10-12 (2 CREDITS MAX)

Block Course Number/Projected Times:

115881 / Fall Semester

125881 / Spring Semester

One class per semester unless approved by Instructor

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: Maintenance and Light Repair (MLR-I) (MLR-II) and successful passing of the (MLR-I) Safety Test with a 100% accuracy.

Maintenance and Light Repair (MLR- III) is the third course in the Automotive Technology program of study and covers important skills and knowledge on becoming a professional service technician. In this class students will learn the basic properties and theories of how the hydraulic brake system work in today's modern automobile. Each student will be trained in the basic component identification, how to disassemble, and reassemble, both drum and disc brake systems according to the manufacturer's specifications. The students will also learn and practice machining drum and disc brake components using both on, and off, the vehicle brake lathe. This course also teaches the principles of automotive suspension/steering systems and four-wheel alignment. Course content provides the student the opportunity to acquire marketable skills by training in wheel alignment and the testing, diagnosis, and repair of these systems. Lab experiences simulate automotive service industry operations through the use of training aids, modules, and school-based learning opportunities. Work may be done on students' vehicles at the discretion of the instructor. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Student Certified MLR Technician when industry certification test has been passed. (The ASE test will only be offered to Juniors and Seniors through computer based testing on campus.)

Maintenance and Light Repair (MLR-IV)

Grade Level: 11-12 **Credit:** 1 (2 CREDITS MAX)

Block Course Number/Projected Times:

115882 / Fall Semester

125882 / Spring Semester

One class per semester unless approved by Instructor

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: Maintenance and Light Repair (MLR-I) (MLR-II) (MLR-III)

Maintenance and Light Repair (MLR- IV) is the fourth, and final, course in the Automotive Technology program of study and covers important skills and knowledge on becoming a professional service technician. The MLR- IV course prepares students for entry into the automotive workforce, or into post- secondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, electronic ignition, distributor ignition systems, fuel management, exhaust emission control, and computer input/output signals. This course will identify the different types of sensors used by automotive engine computers and students will practice workplace soft skills. Students perform inspections, tests, and measurements for diagnosis and then complete needed repairs. Automotive service industry operations are simulated through the use of training aids and modules, and offer school-based learning opportunities. Learning opportunities may be performed on student's vehicles' as it applies to the course material and at instructors' discretion. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Student Certified MLR Technician when industry certification test has been passed. (ASE are secured tests and offered in the Spring and Fall to Juniors and Seniors through Secured computer based testing on campus.)

Automotive Work-Based Learning

Interested students should see the automotive teacher to obtain an application and approval prior to their pre-registration appointment.

TRANSPORTATION-AUTO BODY

Collision Repair: Non-Structural

Grade Level: 10-12 **Credit:** 1 (2 credits max)

Block Course Number/Projected Times:

116062 / Fall Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Transportation Core and passing the TransCore Safety Test with 100% accuracy.*

This course prepares students to analyze non-structural collision damage to a vehicle, determine the extent of the damage and the direction of impact, initiate an appropriate repair plan, and correctly use equipment. Course content includes metal finishing, body filling, MIG welding, fiberglass and plastic repairs. The course prepares students for entry-level employment and advanced training in collision repair technology, and post-secondary education. Students completing the *Collision Repair: Non-Structural* course are eligible to take the ASE written examination for Non-Structural Analysis and Damage Repair.

Collision Repair: Painting and Refinishing

Grade Level: 10-12 **Credit:** 1 (3 credits max)

Block Course Number/Projected Times:

126063 / Spring Semester / Time undecided

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Transportation Core*

This course teaches students the repair and refinish processes and to apply automotive paint to a vehicle. Students learn to diagnose automotive paint finish problems and to perform the appropriate manufacturer-required techniques and processes to refinish the affected area or the complete vehicle. Course content provides the student with training in mixing, matching, and applying paint and finish to vehicles. Course content includes sanding, masking, paint application, air brushing, buffing and basic custom painting techniques. The course prepares students for entry-level employment and advanced training in collision repair technology, and post-secondary education. Students completing the *Collision Repair: Painting and Refinishing* are eligible to take the ASE written examination for Paint and Refinish and for Plastics and Adhesives.

Collision Repair: Structural (offered every other year: offered 2014-15)

Grade Level: 10-12 **Credit:** 1 (2 credits max)

Block Course Number/Projected Times:

106064 / Spring Semester Only

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *Transportation Core and Collision Repair: Non-Structural*

This course prepares students to analyze structural collision damage to a vehicle, determine the extent of the damage and the direction of impact, initiate an appropriate repair plan, and correctly use equipment. Course content includes repairs to vehicle frames and unibody repairs, MIG and TIG welding. The course prepares students for entry-level employment and advanced training in collision repair technology, and post-secondary education. Students completing the *Collision Repair: Structural* course are eligible to take the ASE written examination for Structural Analysis and Damage Repair.

Transportation Core

Grade Level: 9-11 **Credit:** 1

Block Course Number/Projected Times:

116071 / Fall Semester

126071 / Spring Semester

Singleton Course Number/Projected Times:

Not offered as singleton

Prerequisite: *None.*

This course prepares students for entry into Collision Repair courses. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, automotive history, and fundamental automotive systems. The curriculum prepares students for shop classes and is considered foundational, with the first 12 weeks being classroom work. All students must pass a safety test with 100% accuracy to meet the prerequisites of all other automotive classes.

Automotive Work-Based Learning

Interested students should see the appropriate automotive teacher to obtain an application and approval prior to their pre-registration appointment.

Maroon & Grey Yearbook Application

Name: _____ Current Grade Level: _____

Address: _____

Phone Number: _____

GPA: _____ (You may estimate, but do not leave this blank)

Most Recent English Class: _____ Grade: _____

Name of recommending English teacher: _____

Name of second recommending teacher: _____

Class Preference: 7th (S) 8th (S) 7th & 8th (S) (seniors only) D Block

Answer the following questions thoroughly:

1. Discuss any skill that you have that would make you a valuable staff member.

2. What part of yearbook journalism interests you the most?

3. List any activities that you will be involved in next year (work, sports, hobbies, etc.)

4. Could you work after school if necessary? Yes/No

5. Why do you want to be a member of the staff?

6. Check any of the following that you are familiar with:

____ Photography (digital, development & composition)

____ Graphic Design or Page Layout

____ Creative Writing

____ Technical Writing

____ Art (drawing, use of color)

____ Adobe PhotoShop

____ Middle School Yearbook

****You are responsible for giving a confidential reference form to your English teacher and at least one other teacher. Please be aware that membership on the staff will depend, in part, upon this reference form. Membership will also be based on grades and your ability to meet with the staff during the spring and summer.**

7. Read the following list of skills. Check all of the skills that you feel you can do with confidence:

Computer Skills

____ Using a Microsoft Word

____ Changing file types (e.g. pdf to jpg)

Typing at a good speed
Changing/Selecting Fonts
Using graphic design software
Using Adobe PhotoShop or Photo Impression to enhance pictures

Photography

Using a digital camera
Transferring digital pictures to a computer
Cropping and enhancing digital pictures
Taking pictures with good composition

8. Discuss, in detail, at least one idea that you have for the yearbook next year. This may include subjects for pages, stories for pages, page designs, headlines, coverage of a new event, etc. Put your idea(s) here:

**Staff members will be required to sell yearbook ads over the summer and to help with senior and underclass pictures. If you are not available to participate at any time over the summer, please reconsider your application. Selling ads is a prerequisite for the course, and students who fail to sell their ads will be removed from the staff in the fall.

**See Course Description for deadlines

Journalism/Newspaper Staff Application

Name _____

Current grade level _____ Most recent English class _____

GPA _____ - (in lieu of GPA, you may provide a copy of current report card) What skills do you have that would make you a successful member of the newspaper staff?

What part of the newspaper interests you most? (writing, photography, graphic design etc.) Explain.

Can you work on the paper after school if necessary? Yes _____ No _____

Can you attend evening and weekend events, such as plays and athletic events, and provide your own transportation to these events?

Yes _____ No _____

Selling advertising to local businesses comprises a portion of the Journalism/Newspaper grade for the first six weeks. Are you willing to sell advertising to local businesses?

Yes _____ No _____

Please check any of the following at which you are experienced:

Adobe PageMakerPhotoShop

Graphic design or page layout _____ Cartooning/Drawing _____

Digital photography _____ Editing/Proofreading (grammar) _____

Please give recommendation forms to two teachers (including at least 1 prior English teacher).

Please return this completed form to Mrs. Haren, Room 286 (English Pod).

Deadline – Friday, February 20th

Please write an expository writing sample (school essay, or sample news article/ no fictional pieces or poetry).

Recommendation for The Arrowhead staff

Student _____

Dear teacher:

This student is applying for a position on The Arrowhead staff for the 2014-2015 school year. Even though writing skill is important, the student's behavior and personality are much more critical considering the flexible environment dictated by the newspaper class. Please evaluate this student honestly on the following criteria. When you are finished, please sign the evaluation form and put it in my mailbox by no later than Friday, Feb. 20th. Please do not return it to the student.
Thank you for your help,

Rebekah Haren,
Arrowhead Advisor

Please rate the student on each of the following attributes, with 1 indicating rarely/never and 5 indicating almost always.

Shows initiative 1 2 3 4 5

Demonstrates the ability to see a task through to completion 1 2 3 4 5

Meets deadlines 1 2 3 4 5

Effectively able to lead peers 1 2 3 4 5

Willingly accepts leadership from peers 1 2 3 4 5

Works well independently/self-motivated 1 2 3 4 5

Accepts comments and suggestions for improvement graciously 1 2 3 4 5

Behaves with maturity 1 2 3 4 5

Demonstrates a sense of responsibility 1 2 3 4 5

Shows respect for peers with differing opinions 1 2 3 4 5

Shows respect for teachers/administrators 1 2 3 4 5

Demonstrates competent writing ability 1 2 3 4 5

Demonstrates knowledge of current events 1 2 3 4 5

Participates in school activities 1 2 3 4 5

In your opinion, when this student sells ads or interviews a source, will he or she serve as an excellent representative for The Arrowhead staff?

Teacher's signature

Date

*If you have additional comments about this student, please write on the back of this form