

2015-2016
High School Course Descriptions
for
Students and Parents
in
Dickenson County Public Schools#



309 Volunteer Avenue, P.O. Box 1127
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Ridgeview High School

Dickenson County Public Schools

High School Course Descriptions

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DEFINITIONS

Standard Unit of Credit

The standard unit of credit for graduation is based on a minimum of 140 clock hours of instruction and successful completion of the requirements of the course.

Verified Unit of Credit

A verified unit of credit for graduation is based on a minimum of 140 clock hours of instruction, successful completion of the requirements of the course, and a passing score on the end-of-course Standards of Learning test for that course. A state-approved substitute test may be used for specified SOL tests.

Student-Selected Test

A student-selected test for verified credit may come from any end-of-course SOL test that is not already satisfying a required verified credit or tests in computer science, technology, or other areas as prescribed by the Virginia State Board of Education.

Sequential Electives

Sequential electives are defined as study in a focused sequence of elective courses leading to further education or preparation for employment. Students who are pursuing the Standard Diploma or the Modified Standard Diploma must complete two sequential credits.

Weighted Credit

Honors courses, advanced placement (AP), and Governor's School classes provided substantially greater rigor and challenge than other courses, and students that take these courses are rewarded with additional quality points when grade point averages (GPA) are calculated in 12th grade.

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GRADUATION REQUIREMENTS

The requirements for a student to earn a diploma are those in effect when the student enters ninth grade for the first time. The Standards of Accreditation require that students take Standards of Learning end-of-course (EOC) tests, or approved substitute tests, in specified courses in English, mathematics, science, and history/social sciences. Courses requiring a Standards of Learning EOC test are identified in the course description section of this handbook.

There are three diploma options for students graduating in 2016:

- Standard (see page 6-7)
- Advanced (see page 8)
- Modified Standard (see page 9)

Local Math/Numeracy Requirement

Dickenson County Public Schools requires students to pace the completion of math requirements in their plan of studies so that every student is enrolled in at least one math course each year in the same way that required English courses are taken one each year. The goal of this local requirement is to ensure that all students will have developed strong literacy **and** numeracy skills upon graduation from Dickenson County Public Schools, skills that will enable them to be successful in work and life beyond graduation. This local requirement does **not** increase diploma requirements but means that students will take an English course and at least one math course each year. In grade 11 or grade 12 students may satisfy the requirement with completion of Economics/Personal Finance (#6120) instead of a course designated as Math (course codes in the 4000 range). Economics/Personal Finance (#6120) is a diploma requirement for students that entered 9th grade in 2011 and beyond and will meet the local math/numeracy requirement *along with* a minimum of 3 VDOE approved math courses but does NOT replace any of the math requirements. Students that meet the minimum graduation requirement for math prior to grade 11 or 12 must still meet this local requirement. (See NOTE 1 on pages 6 and 8.)

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DIPLOMAS

STANDARD DIPLOMA

Discipline Area	Standard Credits: effective with first-time ninth graders in 2003-2004 through 2010-2011	Standard Credits: effective with first-time ninth graders in 2011-2012 and beyond	Verified Credits Required
English	4	4	2
Mathematics ¹	3	3	1
Laboratory Science ^{2 & 6}	3	3	1
World History I, II, OR World Geography ^{3 & 6}	1	1	1 of any of these 4 courses
US/VA History ^{3 & 6}	1	1	
US/VA Government ^{3 & 6}	1	1	
Health and Physical Education	2	2	
Fine Arts or Career Technical Education	1		
Foreign Language, Fine Arts or Career & Technical Education ⁷		2	
Economics & Personal Finance ¹		1	
Electives ⁴	8	6	
Student Selected Test ⁵			1
Total Credits	24	24	6

NOTE 1

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least two course selections from among: Algebra I, Geometry, Algebra II or other mathematics courses above the level of algebra and geometry. The Board may approve additional courses to satisfy this requirement.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Courses completed to satisfy this requirement shall include at least two different course selections from among: Algebra I; Geometry; Algebra, Functions and Data Analysis; Algebra II or other mathematics courses above the level of Algebra II. The Board shall approve courses to satisfy this requirement.
- **Local math/numeracy requirement:** All students are required to be enrolled in at least *one math course each year*. Any math course that meets VDOE graduation requirements may be used to satisfy this requirement each year. In addition, this requirement may be met in grades 11 OR 12 with Economics/Personal Finance. Students who complete the minimum math requirements for graduation prior to grade 11 or 12 must still enroll in a math course to meet this local requirement.

NOTE 2

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth sciences, biology, chemistry or physics. The Board may approve additional courses to satisfy this requirement.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth sciences, biology, chemistry or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. The Board shall approve courses to satisfy this requirement.

NOTE 3

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and one course in either world history or geography or both. The Board may approve additional courses to satisfy this requirement.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and one course in either world history or geography or both. The Board shall approve courses to satisfy this requirement.

NOTE 4

- Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.

NOTE 5

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** A student may utilize additional tests for earning verified credit in computer science, technology, career and technical education or other areas as prescribed by the Board in 8 VAC 20-131-110.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** A student may utilize additional tests for earning verified credit in computer science, technology, career and technical education, economics or other areas as prescribed by the Board in 8 VAC 20-131-110.

NOTE 6

- Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential or license for (1) the student selected verified credit and (2) either a science or history and social science verified credit when the certification, license or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board of Education as an additional test to verify student achievement.

NOTE 7

- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Pursuant to Section 22.1-253.13:4, *Code of Virginia*, credits earned for this requirement shall include one credit in fine or performing arts or career and technical education.

ADVANCED STUDIES DIPLOMA

Discipline Area	Standard Credits: effective with first-time ninth graders in 2003-2004 through 2010-2011	Standard Credits: effective with first-time ninth graders in 2011-2012 and beyond	Verified Credits Required
English	4	4	2
Mathematics ¹	4	4	2
Laboratory Science ²	4	4	2
World History I, II, OR World Geography ³	2	2	2 of any of these 4 courses
US/VA History ³	1	1	
US/VA Government ³	1	1	
Health and Physical Education	2	2	
Foreign Language ⁴	3	3	
Fine Arts or Career & Technical Education		1	
Economics & Personal Finance	1	1	
Electives	4	3	
Student Selected Test ⁵			1
Total Credits	26	26	9

NOTE 1

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least three different course selections from among: Algebra I, Geometry, Algebra II or other mathematics courses above the level of Algebra II. The Board may approve additional courses to satisfy this requirement.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra II or other mathematics courses above the level of Algebra II.
- **Local math/numeracy requirement:** All students are required to be enrolled in at least one math course each year. Any math course that meets VDOE graduation requirements may be used to satisfy this requirement each year. In addition, this requirement may be met in grades 11 OR 12 with Economics/Personal Finance. Students who complete the minimum math requirements for graduation prior to grade 11 or 12 must still enroll in a math course to meet this local requirement.

NOTE 2

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, biology, chemistry, or physics or completion of the sequence of science courses required for the International Baccalaureate Diploma. (DCPS does not participate in the International Baccalaureate program.)

NOTE 3

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two in either world history or geography or both.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two courses in either world history or geography or both.

NOTE 4

- Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.

NOTE 5

- **For students entering the ninth grade for the first time in 2003-2004 through 2010-2011:** A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education or other areas as prescribed by the Board in 8 VAC 20-131-110.
- **For students entering the ninth grade for the first time in 2011-2012 and beyond:** A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics or other areas as prescribed by the Board in 8 VAC 20-131-110.

MODIFIED STANDARD DIPLOMA*

Discipline Area	Standard Credits: effective with first-time ninth graders in 2003-2004 through 2010-2011
English	4
Mathematics ¹	3
Laboratory Science ²	2
History & Social Science ³	2
Health and Physical Education	2
Fine Arts or Career Technical Education	1
Electives ⁴	6
Total Credits	20
NOTE 1	
<ul style="list-style-type: none"> Courses completed to satisfy this requirement shall include content from among applications of algebra, geometry, personal finance and statistics in courses that have been approved by the Board. 	
NOTE 2	
<ul style="list-style-type: none"> Courses complete shall include content from at least two of the following: applications of earth science, biology, chemistry, or physics in courses approved by the Board. 	
NOTE 3	
<ul style="list-style-type: none"> Courses completed to satisfy this requirement shall include one unit of credit in U.S. and Virginia History and one unit of credit in U.S. and Virginia Government in courses approved by the Board. 	
NOTE 4	
<ul style="list-style-type: none"> Courses to satisfy this requirement shall include a least two sequential electives in the same manner required for the Standard Diploma. 	

***NOTE:** The Modified Standard Diploma will not be an option for students with disabilities who enter the ninth grade for the first time after 2012-2013. **Beginning with students entering ninth grade for the first time in 2013-2014**, credit accommodations will be provided to allow students with disabilities who previously would have pursued a Modified Standard Diploma to earn a Standard Diploma. Guidelines for credit accommodations have not yet been issued by the Virginia Board of Education.

Electives for Standard or Modified Standard Diplomas

- Sequential Electives** – Effective with the graduating class of 2003, students who wish to receive a Modified Standard Diploma must successfully complete two sequential electives.
 - Sequential electives may be in any discipline as long as the courses are not specifically required for graduation.
 - Courses used to satisfy the one unit of credit in a fine arts or career and technical education course may be used to partially satisfy this requirement.
 - An exploratory course followed by an introductory course may not be used to satisfy the requirement.
 - An introductory course followed by another level of the same course of study may be used.
 - Sequential electives do not have to be taken in consecutive years.
- Fine Arts and Career and Technical Education** – The Standard, Advanced Studies, and Modified Standard Diplomas each contain a requirement for one standard unit of credit in Fine Arts or Career and Technical Education. The Standards of Accreditation do not require that courses used to satisfy the requirement of Fine Arts or Career and Technical Education be approved by the Board. Therefore, local school officials should use their own judgment in determining which courses students take to satisfy this requirement.

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DIPLOMA SEALS

Students who demonstrate academic excellence and/or outstanding achievement may be eligible for one (or more) of the following awards:

Governor’s Seal for Advanced Studies Diploma

The Governor’s Seal for Advanced Studies is awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of “B” or better and successfully complete college-level coursework to earn 9 transferable college credits in Advanced Placement or dual enrollment.

Virginia Board of Education Seal for Standard Diploma

The Board of Education Seal is awarded to students who complete the requirements for an Advanced Studies or a Standard Diploma with an average grade of “A.”

Board of Education's Career & Technical Education Seal

The Board of Education’s Career & Technical Education Seal is awarded to students who earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses OR pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade or professional association OR acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

Virginia Board of Education’s Seal of Advanced Mathematics and Technology

The Board of Education’s Seal of Advanced Mathematics and Technology is awarded to students who complete the requirements for either a Standard or Advanced Studies Diploma, satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a “B” average or better, and either (a) pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association; (b) acquire professional license in a career and technical education field from the Commonwealth of Virginia; or (c) pass an examination approved by the Board that confers college-level credit in a technology or computer science area. The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.

Virginia Board of Education’s Seal for Excellence in Civics Education

The Board of Education’s Seal for Excellence in Civics Education is awarded to students who complete the requirements for either a Standard or Advanced Studies Diploma, (1) complete Virginia and United States History and Virginia and United States Government courses with a grade of “B” or higher, and (2) have good attendance and no disciplinary infractions as determined by local school board policies and, (3) and complete 50 hours of voluntary participation in community service or extracurricular activities.

Enriching Your High School Experience

To encourage students to enrich their high school educational experience and to increase the rigor of the high school program the following choices are available:

The Advanced Placement (AP) program, offered by the College Board, enables students to pursue college level studies while still in high school. AP offers students the opportunity to participate in a rigorous curriculum that exposes students to high academic intensity and quality. Based on their performance on AP Examinations, students may earn college credit. Students in the AP track should take advantage of pre-AP/Honors courses; both AP and Honors courses are weighted because of academic rigor. Students in AP classes are expected to take the AP exam. The exam fee is approximately \$85 per test. Financial assistance is available for economically disadvantaged students. See a school counselor for more information.

Dual Credit may be earned for courses taken on the college campus. Credit appears on both the high school and college transcript. Students who pursue this option do so in order to add an enriching and rigorous course to their high school program of study that is not available at the high school or have a special circumstance. **Students must obtain permission from the school principal/designee, prior to enrollment**, to ensure appropriate high school credit for the college course. The student is responsible for the expenses associated with any course.

Dual Enrollment offers the student credit through either Southwest Virginia Community College or Mountain Empire Community College, as well as high school credit, for courses offered during the regular school day at the high school. The student must complete the necessary entrance requirements for SWCC or MECC and have principal approval. Course offerings vary from year-to-year. See your school counselor for more information. Most Dual Enrollment/Credit courses taken follow the grading scale of the college and do not accrue weighted credit for GPA calculation. Students are responsible for 10% of the cost of tuition for dual enrollment/dual credit courses. Students pay a small share of the tuition for these courses, currently 10%..

Elite Learning is a program of online courses serving the students of southwestern Virginia. Elite Learning is a part of the Southwest Virginia Education and Training Network (SVETN), and provides a variety of asynchronous dual enrollment course allowing students to receive both high school and college credits from the same coursework. The courses are challenging, demanding, and exciting!

Linwood Holton Governor's School uses sophisticated distance learning and Internet based telecommunications technologies to deliver an advanced curriculum especially designed for gifted and talented students in their home schools and fills a unique need in a very innovative way. Students from 42 high schools use "state of the art" LearnLinc software to attend classes, listen to lectures, participate in discussions, complete lab activities, etc. - from their school, home, or almost anywhere.

Virtual Advanced Placement School (Virtual Virginia) is facilitated by the Virginia Department of Education. This school offers a variety of Advanced Placement courses, enabling students to earn college credit, regardless of their high school's ability to offer college-level courses. Courses are available through satellite and Internet video streaming or online. There is a tuition charge for some courses. High schools must have a facilitator on hand to proctor tests, provide help and support to students, and forward information to the instructor. Courses pursued through this method are those courses that are not offered at the high school. Information on specific course offerings can be found at www.doe.virginia.gov/VDOE/Technology/VAPS.html

Governor's Senior Year Plus: Early College Scholars Agreement This is an agreement in which students can qualify for the Early College Scholars program. The student must:

- Have a "B" average or better;
- Be pursuing an Advanced Studies Diploma or an Advanced Technical Diploma; and
- Take and complete college-level course work (i.e., Advanced Placement, or dual enrollment) that will earn at least 9 transferable college credits.

Early College Scholars are supported by Virtual Virginia and the Commonwealth College Course Collaborative. Virginia Virtual School provides statewide access to college-level courses while the Commonwealth College Course Collaborative defines the subjects high school students can complete and receive college degree credit from participating public and private colleges and universities.

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ENGLISH COURSES AND CREDITS

D C P S E N G L I S H C O U R S E S	Grade 9	English 9 Honors English 9
	Grade 10	English 10 Honors English 10
	Grade 11	English 11 (EOC) Honors English 11 (EOC) + AP Language & Composition *DE English 111-112 (does not replace English 11)
	Grade 12	AP Literature & Composition English 12 Dual Enrollment (DE) English 111-112 A variety of dual enrollment and AP Options are available through Virginia Virtual School (AP only), Elite Learning, and Holton Governor’s School Elective Options <ul style="list-style-type: none"> • Creative Writing* • Speech Fundamentals • Advanced Speech Fundamentals • Theatre * • DE Creative Writing (Elite)* *Also counts as a Fine Arts course

English Required for ALL Diploma Types (minimum of 4 units of English to include the course options below at each grade level.

- English 9 or Honors English 9
- English 10 or Honors English 10
- English 11 or Honors English 11 + AP Language & Composition
- English 12 or AP Literature and Composition or DE English 111-112

To earn either the Standard or Advanced Studies Diploma, students must pass the EOC writing test and EOC reading test for 2 verified credits in English. To insure that all students have the best possible chance to be earn a diploma, our English department provides courses specifically designed to provide extra instruction and support. Students that pass 8th grade English but are not successful on the 8th grade writing test will be placed in Intervention Writing along with regular English 9. Students who pass English 11 but are not successful on the EOC writing test will be placed in High School Writing either in grade 11 or 12.

ENGLISH

Course #: 1130 Course Name: English 9
Credits: 1 Prerequisites: None
Grade Levels: 9 Diploma: Standard
Career Cluster: All
Brief Description: Instruction for students in English 9 will follow the [Virginia Standards of Learning for English 9](#) covering oral language, reading and writing. Writing instruction will include additional standards established by the DCPS writing curriculum.

Course #: H1130 Course Name: Honors English 9 (Pre-AP)
Credits: 1 (weighted-0.5) Prerequisites: Teacher Recommendation
Grade Levels: 9 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Instruction for students in Honors English 9 will follow the [Virginia Standards of Learning for English 9](#) covering oral language, reading and writing. Writing instruction will include additional standards established by the DCPS writing curriculum. Expectations for students in honors classes exceed those for students in non-honors classes of the same title, and as a result of the higher expectations, students in honors courses receive the equivalent of 0.5 quality points in final GPA calculation.

Course #: 1135 Course Name: Intervention Writing
Credits: 1 Prerequisites: SOL Grade 8 Writing Scores <400
Grade Levels: 9 Diploma: Standard
Career Cluster: All
Brief Description: Students whose performance on the Grade 8 SOL Writing test indicates significant weakness in writing skills will be assigned to this course as an intervention and preparation for the EOC writing test, which is required for graduation.

Course #: 1140 Course Name: English 10
Credits: 1 Prerequisites: English 9
Grade Levels: 10, 11 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Instruction for students in English 10 will follow the [Virginia Standards of Learning for English 10](#) covering oral language, reading and writing. Writing instruction will include additional standards established by the DCPS writing curriculum.

Course #: H1140 Course Name: Honors English 10 (Pre-AP)
Credits: 1 (weighted-0.5) Prerequisites: English 9 or Honors English 9
Grade Levels: 10, 11 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Instruction for students in Honors English 10 (or pre-AP English 10) will follow the [Virginia Standards of Learning for English 10](#) covering oral language, reading and writing and will include additional standards established by the DCPS writing curriculum. Expectations for students in honors classes exceed those for students in non-honors classes of the same title, and as a result of the higher expectations, students in honors courses receive the equivalent of 0.5 quality points in final GPA calculation.

Course #: 1145 Course Name: High School Writing
Credits: 1 Prerequisites: English 9, 10 and teacher recommendation
Grade Levels: 10, 11, 12 Diploma: Standard
Career Cluster: All
Brief Description: Instruction in High School Writing will take the next step in preparing students for written communication in real world settings including the workplace. The goal of this course is to ensure that all students not only meet the requirements to pass the EOC Writing test but also meet employers' expectations for written communication. Students may also take this course as remediation if the student has taken and failed to pass the EOC Writing test.

Course #: 1150 Course Name: English 11 (EOC)
Credits: 1 Prerequisites: English 9, 10
Grade Levels: 11, 12 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Instruction for students in English 11 will follow the [Virginia Standards of Learning for English 11](#) covering oral language, reading and writing. Writing instruction will include additional standards established by the DCPS writing curriculum.

Course #: H1150 Course Name: Honor English 11
Credits: 1 (weighted-0.5) Prerequisites: English 9, 10, AP Lang./Comp.
Grade Levels: 11 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Honors English 11 is more rigorous than English 11, going beyond the Virginia Standards of Learning for English 11 and includes heavy emphasis on American literature and writing in preparation for AP Literature & Composition. Expectations for students in honors classes exceed those for students in non-honors classes of the same title, and as a result of the higher expectations, students in honors courses receive the equivalent of 0.5 quality points in final GPA calculation.

Course #: 1160 Course Name: English 12
Credits: 1 Prerequisites: English 9, 10, 11
Grade Levels: 12 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Instruction for students in English 12 will follow the Virginia Standards of Learning for English 12 covering oral language, reading and writing. Writing instruction will include additional standards established by the DCPS writing curriculum.

Course #: 1171 Course Name: Creative Writing
Credits: 1 Prerequisites: Teacher recommendation
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Creative Writing is a writing intensive elective English course geared to students with a strong interest in creative writing.

Course #: 1195 Course Name: AP Literature & Composition
Credits: 1 (weighted-1.0) Prerequisites: English 11 (Honors English recommended)
Grade Levels: 12 AP Lang./Comp.
Diploma: Advanced
Career Cluster: All
Brief Description: The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. AP Literature & Composition conforms to the guidelines established for this course by the College Board. Students are expected to take the AP Lit/Comp exam.

Course #: 1196 Course Name: AP Language & Composition
Credits: 1 (weighted 1.0) Prerequisites: Honor English 11 (1151)
Grade Levels: 11,12 Diploma: Advanced
Career Cluster: All
Brief Description: The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. AP Literature & Composition conforms to the guidelines established for this course by the College Board. AP Language students are expected to take the AP exam for either AP Lit/Comp or AP Lang./Comp

Course #: 1300 Course Name: Speech Fundamentals
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Speech Fundamentals is an elective English course in which students learn the principles of public speaking and critical listening.

Course #: 1302 Course Name: Advanced Speech
Credits: 1 Prerequisites: Speech Fundamentals, teacher recommendation
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Advanced Speech is an elective English course in which students expand and develop their skills in public speaking and critical listening. This course prepares students to compete in forensics (although not required).

Course #: DE 1600 Course Name: DE English (Elite)
Credits: 1 Prerequisites: English 11, Teacher recommendation, principal approval, minimum score on college placement test
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment English will earn 6 hours of college credit through the local community college for college composition (English 111 and 112) in addition to high school credit for English 12. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: DE 1602 Course Name: DE Creative Writing (Elite or HGS)
Credits: 1 Prerequisites: ENG 111/112, Teacher recommendation, principal approval, minimum score on college placement test
Grade Levels: 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment Creative Writing will earn 3 hours of college credit through the local community college for Creative Writing (ENG 211 or ENG 211/212) in addition to high school credit for Creative Writing. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course through Elite follows the 10-point college grading scale and is not otherwise weighted in GPA calculation, while the HGS course is weighted in GPA calculation.

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HISTORY/SOCIAL SCIENCE COURSES AND CREDITS

D C P S H I S T O R Y C O U R S E S	Grade 9	Honors World History I (EOC) World History I (EOC) World Geography (EOC)
	Grade 10	World History II (EOC) AP Human Geography (Virtual Virginia)
	Grade 11	VA & US History or AP US History (EOC)
	Grade 12	VA & US Government or AP US Government or DE Government Elective Options for Grades 10-12 <ul style="list-style-type: none"> • Psychology • Sociology • 20th Century history • Current Affairs • Street Law A variety of AP Options are available through Virtual Virginia as well as dual enrollment options through Elite Learning and Holton Governor’s School

History Required for Standard Diploma (minimum of 3 units of History/Social Sciences to include)

- World History I, or World History II, or World Geography
- VA & US History or AP US History
- VA & US Government or AP US Government or DE Government

Students must earn a minimum of 1 verified unit of credit by passing the end-of-course test in one of the 4 tested courses.

History Required for Advanced Diploma (minimum of 4 units of History/Social Sciences to include)

- Honors World History I (recommended), or World History II, or World Geography
- VA & US History or AP US History
- VA & US Government or AP US Government or DE Government

Students must earn a minimum of 2 verified units of credit by passing the end-of-course (EOC) test in two of the 4 tested courses.

HISTORY

Course #: 2210 Course Name: World Geography (EOC)
Credits: 1 Prerequisites: None
Grade Levels: 9,10,11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: The focus of this course is the study of the world's peoples, places, and environments, with an emphasis on world regions. **Students are required to take the Standards of Learning End of Course Test.**

Course #: 1131 Course Name: Honors World History I (EOC) (pre-AP)
Credits: 1 (weighted-0.5) Prerequisites: Teacher Recommendation
Grade Levels: 9 Diploma: Standard, Advanced
Career Cluster: All
Brief Description: Instruction for students in Honors World History I will follow the Virginia Standards of Learning for World History, a focus on the study of the world's peoples, places, and environments, with an emphasis on world regions. Expectations for students in honors classes exceed those for students in non-honors classes of the same title, and as a result of the higher expectations, students in honors courses receive the equivalent of 0.5 quality points in final GPA calculation.

Course #: 2215 Course Name: World History I (EOC)
Credits: 1 Prerequisites: None
Grade Levels: 9, 10,11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course will enable students to explore the historical development of people, places, and patterns of life from ancient times until 1500 A.D. (C.E.) in terms of the impact on Western civilization. **Students are required to take the Standards of Learning End of Course Test.**

Course #: 2216 Course Name: World History II (EOC)
Credits: 1 Prerequisites: none
Grade Levels: 9,10,11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course will enable students to examine history and geography from 1500 A.D. (C.E.) to the present, with emphasis on Western Europe. **Students are required to take the Standards of Learning End of Course Test.**

Course #: 2319 Course Name: Advanced Placement U.S. History (EOC)
Credits: 1 (weighted-1.0) Prerequisites: Teacher recommendation
Grade Levels: 10,11,12 Diploma: Advanced
Career Cluster: All
Brief Description: In this course students develop the factual knowledge and analytical skills necessary to deal with the issues and problems of American History. They do in-depth analysis of major developments; become familiar with primary sources; assess historical materials, evidence, and interpretations; and learn to write research papers. AP U.S. History conforms to the guidelines established for this course by the College Board, and students are expected to take the AP U. S. History exam. AP courses are weighted for GPA.

Course #: DE 2351 Course Name: DE Western Civilization
Credits: 1 (weighted-1.0) Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment Western Civilization will earn 6 hours of college credit through the local community college for Western Civilization (HIS 101-102) in addition to high school credit for Western Civilization. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 2360 Course Name: U.S. History (EOC)
Credits: 1 Prerequisites: None
Grade Levels: 10,11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: While focusing on political and economic history, this course provides students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Virginia history. **Students are required to take the Standards of Learning End of Course Test.**

Course #: DE 2375 Course Name: DE World Civilization (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11,12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment World Civilization will earn 3 hours of college credit through the local community college for World History (HIS 111-112) in addition to high school credit for World Civilization. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 2387 Course Name: 20th Century History
Credits: 1 Prerequisites: None
Grade Levels: 10,,11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course is a survey of History from 1900 to the present time.

Course #: 2388 Course Name: Current Affairs
Credits: 1 Prerequisites: None
Grade Levels: 11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course is an examination of events in the present day.

Course #: 2399 Course Name: AP European History (Virtual Virginia)
Credits: 1 (weighted-1.0) Prerequisites: World History I or II; Teacher recommendation
Grade Levels: 12 Diploma: Advanced
Career Cluster: All
Brief Description: In this course students will study European History in global context from c. 1450 (high Renaissance) to the Contemporary Age. AP U.S. History conforms to the guidelines established for this course by the College Board. Students are expected to take the AP European History exam.

Course #: 2420 Course Name: Street Law
Credits: 1 Prerequisites: None
Grade Levels: 11,12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course covers law-related topics.

Course #: 2440 Course Name: Virginia & US Government
Credits: 1 Prerequisites: None
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: In this course students will examine fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government, and the operation of the United States market economy.

Course #:	DE 2440	Course Name:	DE US Government I & II
Credits:	1	Prerequisites:	Teacher recommendation, minimum score on college placement reading test
Grade Levels:	12	Diploma:	Standard or Advanced
Career Cluster:	All		
Brief Description:	Students that successfully complete dual enrollment government will earn 6 hours of college credit through the local community college political science (PLS 211-212) in addition to high school credit for government. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.		

Course #:	2445	Course Name:	AP Government & Politics (Virtual Virginia)
Credits:	1 (weighted-1.0)	Prerequisites:	Teacher recommendation
Grade Levels:	12	Diploma:	Advanced
Career Cluster:	All		
Brief Descriptions	This Advanced Placement course in government and politics makes demands on a student equivalent to an introductory college course. The course covers the basic concepts, principles, and institutions of American government. All students are expected to take the Advanced Placement Government & Politics exam.		

Course #:	2500	Course Name:	Sociology
Credits:	1	Prerequisites:	None
Grade Levels:	11,12	Diploma:	Standard or Advanced
Career Cluster:	All		
Brief Description:	The study of sociology is designed to examine the ways people interact with one another. Sociology involves learning about relationships within groups, such as the social class; relationships within social institutions such as the family and the organization of societies.		

Course #:	DE 2500	Course Name:	DE Sociology (Elite)
Credits:	1	Prerequisites:	Teacher recommendation, minimum score on college placement reading test
Grade Levels:	11,12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	Students that successfully complete dual enrollment Sociology will earn 3 hours of college credit through the local community college Principles of Sociology (SOC 200) in addition to high school credit for Sociology. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.		

Course #:	2803	Course Name:	AP Macro-Economics (Virtual Virginia)
Credits:	1 (weighted-1.0)	Prerequisites:	Teacher recommendation
Grade Levels:	11,12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	This course is designed to provide students with an understanding of the economic principles which apply to an economic system as a whole. All students are expected to take the Advanced Placement Macroeconomics exam.		

Course #:	2900	Course Name:	Psychology
Credits:	1	Prerequisites:	None
Grade Levels:	11,12	Diploma:	Standard or Advanced
Career Cluster:	All		
Brief Description:	This course is designed to give the student an introduction to the concepts, theories, and applications of psychology. Topics covered include theories of learning, memory, sensation, perception, personality, abnormal psychology, therapy, and current issues in psychology.		

Course #:	DE 2900	Course Name:	DE Psychology (Elite)
Credits:	1	Prerequisites:	Teacher recommendation, minimum score on college placement reading test
Grade Levels:	11,12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	Students that successfully complete dual enrollment Sociology will earn 3 hours of college credit through the local community college for Principles of Psychology (PSY 200) in addition to high school credit for Psychology. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follow the 10-point college grading scale and is not otherwise weighted in GPA calculation.		

Course #:	2902	Course Name:	Advanced Placement Psychology I (Virtual Virginia)
Credits:	1 (weighted-1.0)	Prerequisites:	Teacher recommendation
Grade Levels:	12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	This course provides an introduction to the psychological topics and principles taught in an introductory psychology class at the college level. All students are expected to take the Advanced Placement Psychology I exam.		

Course #:	DE 2950	Course Name:	DE US History (Elite)
Credits:	1	Prerequisites:	Teacher recommendation, minimum score on college placement reading test & US History SOL Test
Grade Levels:	12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	Students that successfully complete dual enrollment US History will earn 6 hours of college credit through the local community college for U.S. History (HIS 121-122) The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.		

Course #:	DE 2951	Course Name:	DE Civil War & Reconstruction /Gilded Age
Credits:	1	Prerequisites:	Teacher recommendation, minimum score on college placement reading test
Grade Levels:	11, 12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	Students that successfully complete dual enrollment Civil War will earn 6 hours of college credit through the local community college for Civil War & Reconstruction/America in the Gilded Age (HIS 269-270) in addition to high school credit for Civil War & Reconstruction/Gilded Age. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.		

Course #:	2996	Course Name:	Appalachian Studies
Credits:	1	Prerequisites:	None
Grade Levels:	10, 11, 12	Diploma:	Standard
Career Cluster:	All		
Brief Description:	This course addresses the history of the Appalachian region (from Pre-Columbian period through the early 21st century) with a focus on southern Appalachia. Emphasis will be placed on such skills as historical research, use of primary documents, oral history, archival work, and preservation.		

Course #:	DE 2996	Course Name:	DE Appalachian History (HGS)
Credits:	1 (weighted-1.0)	Prerequisites:	Teacher recommendation, college placement
Grade Levels:	11, 12	Diploma:	Advanced
Career Cluster:	All		
Brief Description:	Students that successfully complete this course will earn 3 hours of college credit through the local community college for Appalachian History (HIS 205) in addition to high school credit. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college.		

Dickenson County Public Schools

High School Course Descriptions

MATHEMATICS COURSES AND CREDITS

D C P S M A T H C O U R S E S	Grade 9	Algebra I or Algebra IA & IB Geometry Algebra II
	Grade 10	Geometry Algebra I or Algebra II
	Grade 11	Calculator/Computer Math Algebra, Functions, & Data Analysis (AFDA) Algebra II Math Analysis/Pre-Calculus (DE option)* Statistics (HGS or Elite)*
	Grade 12	Calculator/Computer Math Algebra, Functions, & Data Analysis (AFDA) Algebra II Math Analysis/Pre-Calculus* Statistics (HGS or Elite)* AP Calculus* <i>*Algebra II is a prerequisite for these classes</i>

Math Required for Standard Diploma (minimum of 3 units of math to include Algebra I, Geometry, and 1 additional course at or above the level of Algebra I)

- Algebra I
- Geometry
- **Options:** Algebra II or AFDA or Calculator/Computer Math

Math Required for Advanced Studies Diploma (minimum of 4 units of math to include Algebra I, Geometry, Algebra II, and 1 additional course at or above the level of Algebra I)

- Algebra I
- Geometry
- **Options:** AFDA, Physics, Math Analysis/Pre-Calculus, Statistics, AP Calculus

There are also additional AP and dual enrollment math courses available to students. These courses must be in addition to the prerequisite courses that will meet the graduation requirements.

Students seeking a Standard diploma must be enrolled in a math class each year, but Economics/Personal Finance (a required CTE course with a math emphasis) may be taken in either the junior or senior in lieu of a math class.

Students seeking an Advanced Studies diploma *must* be enrolled in a minimum of one math credit per year. (See page 5 for information regarding the local numeracy credit.)

MATHEMATICS

Course #: 3130 Course Name: Algebra I (EOC)
Credits: 1 Prerequisites: none
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Algebra I develops the properties and structure of the real-number system. Content includes linear equations, functions, inequalities, polynomials, special products, graphs, and quadratic equations.
Students are required to take the Standards of Learning End of Course Test.

Course #: 3131 Course Name: Algebra I – 2-Part Sequence, Pt.1
Credits: 1 Prerequisites: none
Grade Levels: 9, 10, 11, 12 Diploma: Standard
Career Cluster: All
Brief Description: Topics include arithmetic operations, problem solving techniques, linear equations and linear functions, quadratic equations, factoring, and statistics.

Course #: 3132 Course Name: Algebra I 2-Part Sequence, Pt. 2 (EOC)
Credits: 1 Prerequisites: Algebra I Pt. 1 Sequence
Grade Levels: 9, 10, 11, 12 Diploma: Standard
Career Cluster: All
Brief Description: Students will explore topics from ALGEBRA 1 PART 1 as well as systems of equations; linear, exponential, and quadratic functions; polynomials; factoring. **NOTE:** Students are required to take both Algebra I, Part I, and Algebra I, Part II, to satisfy the Algebra I graduation requirement. **Students are required to take the Standards of Learning End of Course Test.**

Course #: 3134 Course Name: Algebra Functions & Data Analysis
Credits: 1 Prerequisites: Algebra I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data.

Course #: 3135 Course Name: Algebra II (EOC)
Credits: 1 Prerequisites: Algebra I
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: The development of the topics of Algebra I is continued in greater depth in Algebra II. The course also includes irrational numbers, properties of radicals, systems of linear equations and linear inequalities.
Students are required to take the standards of Learning End of Course Test.

Course #: 3143 Course Name: Geometry (EOC)
Credits: 1 Prerequisites: Algebra I
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students learn constructions; logical and deductive reasoning; angle relationships; parallel and perpendicular line relationships; congruence and similarity of polygons; triangle relationships and inequalities; and attributes and properties of quadrilaterals. **Students are required to take the standards of Learning End of Course Test.**

Course #: 3162 Course Name: Mathematical Analysis/Pre-Calculus
Credits: 1 Prerequisites: Advanced Math or Teacher Recommendation
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Math Analysis is a college preparatory course which includes Algebra II topics in depth as well as trigonometry, sequences, probability, and various other topics. The content of this course will serve as appropriate preparation for calculus.

Course #: 3177 Course Name: Advanced Placement Calculus
Credits: 2 (weighted-1.0) Prerequisites: Math Analysis; teacher recommendation
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: This 2-semester course is concerned with developing the student's understanding of the concepts of calculus and providing experience with its methods and application. It emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Students are expected to take the AP exam at the end of this course.

Course #: 3184 Course Name: Computer Mathematics
Credits: 1 Prerequisites: Algebra I
Grade Levels: 10, 11, 12 Diploma: Standard
Career Cluster: All
Brief Description: This course is intended to provide students with experiences in using computer programming techniques and skills to solve problems that can be set up as mathematical models. It may also be taught using calculators.

Course #: DE 3190 Course Name: DE Probability and Statistics (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Teacher recommendation, minimum score on college placement math test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment Probability and Statistics will earn 6 hours of college credit through the local community college for (MTH 241-242) in addition to high school credit for Probability and Statistics. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: OL 3200 Course Name: Capstone Math
Credits: 1 Prerequisites: Score on Virginia Placement Test (VPT)
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students that plan to pursue any post-secondary certificate or degree program but have demonstrated career- or college-readiness on the Virginia Placement Test administered by the Community College may take this course. Students complete modules that eliminate the need and expense of taking preparatory math courses at the community college level. This course is online through [My Math Lab](#) and is approved by the community college to replace remedial math courses. This course does not meet a math graduation requirement but does meet local numeracy requirement.

Course #: 3192 Course Name: Advanced Placement Statistics
Credits: 1 (weighted-1.0) Prerequisites: Algebra II
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Topics for the course are grouped around four themes--exploratory analysis, planning a study, and probability and statistical inference. Within each theme, the topics stress statistical thinking and use technology, primarily the graphing calculator and computers with appropriate software. This course prepares students to take the Advanced Placement Statistics exam.

Course #: DE 3230 Course Name: DE Pre-Calculus
Credits: 1 Prerequisites: Algebra II; Teacher recommendation, minimum score on college placement math test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment Pre-Calculus will earn 6 hours of college credit through the local community college for Pre-Calculus (MTH 163-164) in addition to a high school math credit. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: DE 3231 Course Name: DE College Algebra (Elite)
Credits: 1 Prerequisites: Algebra II; Teacher recommendation, minimum score on college placement math test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment College Algebra will earn 3 hours of college credit through the local community college for College Algebra (MTH 158) in addition to a high school math credit. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: DE 3232 Course Name: DE Elementary Statistics (Elite)
Credits: 1 Prerequisites: Algebra II; Teacher recommendation, minimum score on college placement math test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment Elementary Statistics will earn 3 hours of college credit through the local community college for Intro to Elementary Statistics (MTH 146) in addition to high school credit for Elementary Statistics. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Dickenson County Public Schools

High School Course Descriptions

SCIENCE COURSES AND CREDITS

D C P S S C I E N C E C O U R S E S	Grade 9	Honors Earth Science I or Earth Science I Fundamentals of Scientific Investigation
	Grade 10	Honors Biology I or Biology I Chemistry I Earth Science II: Advanced Survey Earth Science II: Geology Earth Science II: Oceanography
	Grade 11	Earth Science II (all options) Biology II: Advanced Topics Biology II: Ecology Chemistry II
	Grade 12	Earth Science II (all options) Biology II (all options) Chemistry II Physics AP Chemistry AP Biology A variety of AP Options are available through Virtual Virginia as well as dual enrollment options through Holton Governor’s School.

Science Required for Standard Diploma (minimum of *3 units of laboratory science* from at least 2 different science disciplines: earth sciences, biology, chemistry, or physics.)

- Earth Science
- Biology
- Chemistry
- Physics
- **Options:** Earth Science II, Biology II, Chemistry II, or dual enrollment or AP science courses from distance learning providers (as approved by DCPS Board)

Science Required for Advanced Studies Diploma (minimum of *4 units of laboratory science* from at least 2 different science disciplines: earth sciences, biology, chemistry, or physics.)

- Honors Earth Science (recommended)
- Honors Biology (recommended)
- Chemistry
- Physics
- **Options:** Earth Science II (advanced survey or geology), Biology II (ecology or advanced topics), Chemistry II, AP biology, AP Chemistry, or dual enrollment or AP science courses including those from distance learning providers (as approved by DCPS Board)

SCIENCE

Course #: H4210 Course Name: Honors Earth Science I (EOC) (Pre-AP)
Credits: 1 (weighted-0.5) Prerequisites: None
Grade Levels: 9, 10 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course stresses the major concepts of geology, oceanography, astronomy, and meteorology. The primary objectives are to enhance the student's understanding and appreciation of the environment and through this knowledge encourage students to become responsible citizens. **Students are required to take the standards of Learning End of Course Test.** Expectations for students in honors classes exceed those for students in non-honors classes of the same title, and as a result of the higher expectations, students in honors courses receive the equivalent of 0.5 quality points in final GPA calculation.

Course #: 4210 Course Name: Earth Science I (EOC)
Credits: 1 Prerequisites: None
Grade Levels: 9, 10 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course stresses the major concepts of geology, oceanography, astronomy, and meteorology. The primary objectives are to enhance the student's understanding and appreciation of the environment and through this knowledge encourage students to become responsible citizens. **Students are required to take the standards of Learning End of Course Test.**

Course #: 4220 Course Name: Earth Science II: Advanced Survey
Credits: 1 Prerequisites: Earth Science I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course focuses on dynamic Earth, the materials of which it is made, and the processes by which it is constantly changing. Topics include. Practical applications in structural geology, hydrology, and soil science are explored with emphasis on local applications whenever possible. Advanced survey broadens and deepens the study of the formation of minerals and rocks, plate tectonics, and Earth history and fossils as well as practical applications in structural geology, hydrology, and soil science.

Course #: 4240 Course Name: Earth Science II: Geology
Credits: 1 Prerequisites: Earth Science I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course focuses on dynamic Earth, the materials of which it is made, and the processes by which it is constantly changing. Topics include the formation of minerals and rocks, plate tectonics, and Earth history and fossils. Practical applications in structural geology, hydrology, and soil science are explored with emphasis on local applications whenever possible.

Course #: 4260 Course Name: DE Astronomy (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Earth Science, teacher recommendation, VPT score
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment in Astronomy will earn 6 hours of college credit through the local community college for Astronomy (NAS 131-132) in addition to high school credit for Astronomy. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 4270 Course Name: AP Environmental Science (Virtual Virginia)
Credits: 1 (weighted-1.0) Prerequisites: Biology I; Chemistry I; teacher recommendation
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. All students are expected to take the AP exam for this course.

Course #: H4310 Course Name: Honors Biology I (EOC) (pre-AP)
Credits: 1 (weighted-0.5) Prerequisites: none
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course increases the student's awareness of the living world. Major concepts such as cell structure and organization, metabolism, growth, reproduction, biochemistry, genetics, taxonomy, evolution, and ecology are emphasized. Laboratory experiments are used to teach conceptual themes. **Students are required to take the standards of Learning End of Course Test.** Expectations for students in honors classes exceed those for students in non-honors classes of the same title, and as a result of the higher expectations, students in honors courses receive the equivalent of 0.5 quality points in final GPA calculation.

Course #: 4310 Course Name: Biology I (EOC)
Credits: 1 Prerequisites: none
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course increases the student's awareness of the living world. Major concepts such as cell structure and organization, metabolism, growth, reproduction, biochemistry, genetics, taxonomy, evolution, and ecology are emphasized. Laboratory experiments are used to teach conceptual themes. **Students are required to take the standards of Learning End of Course Test.**

Course #: DE 4330 Course Name: DE Human Anatomy & Physiology (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Biology I; Teacher recommendation
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment in Astronomy will earn 6 hours of college credit through the local community college for Biology I (BIO 141-142) in addition to high school credit for Astronomy. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 4350 Course Name: Biology II: Advanced Topics in Biology
Credits: 1 Prerequisites: Biology I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Using a comparative approach, the study of each group will emphasize diversity, anatomy, evolutionary relationships, functional adaptations and environmental relationships. Extensive lab work, including dissections, will be an integral part of the course.

Course #: 4310 Course Name: AP Biology
Credits: 1 (weighted-1.0) Prerequisites: Biology I; teacher recommendation
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations exploring the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Students will spend at least 25% of instructional time in hands-on laboratory work. All students are expected to take the AP exam for this course.

Course #: 4410 Course Name: Chemistry I (EOC)
Credits: 1 Prerequisites: Algebra I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students are introduced to basic chemical concepts including composition of matter, atomic structure, periodic table, chemical bonding, formulas and equations, reacting quantities, gas laws, and acid-base theory. The investigative skills used by practicing scientists are emphasized. **Students are required to take the standards of Learning End of Course Test.**

Course #: 4420 Course Name: Chemistry II
Credits: 1 Prerequisites: Chemistry I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Chemistry II builds on the essential skills and knowledge gained in Chemistry I to provide students with a strong foundation for pursuing interests in Chemistry as a field of study.

Course #: 4310 Course Name: AP Chemistry
Credits: 1 (weighted-1.0) Prerequisites: Chemistry I; teacher recommendation
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course provides students with a foundation to support future advanced course work in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students will spend at least 25% of instructional time in hands-on laboratory work. All students are expected to take the AP exam for this course.

Course #: 4510 Course Name: Physics
Credits: 1 Prerequisites: Algebra II
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: This course focuses on the forces and energy relationships in the physical world. Topics include measurement, motion, work, gravity, molecular kinetic theory, waves, light, electricity, and circuitry.

Course #: DE 4510 Course Name: DE Physics (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Teacher recommendation, minimum score on college placement math test; algebra II
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment in Principles of Physics will earn 6 hours of college credit through the local community college for PHY 121-122 in addition to high school credit for Principles of Physics. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 4570 Course Name: AP Physics (Virtual Virginia)
Credits: 1 (weighted-1.0) Prerequisites: Algebra II
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will spend at least 25% of instructional time in hands-on laboratory work. All students are expected to take the AP exam for this course.

Dickenson County Public Schools

High School Course Descriptions

WORLD LANGUAGES COURSES AND CREDITS

D C P S W O R L D L A N G U A G E S C O U R S E S	Grade 9	Spanish I Spanish II
	Grade 10	Spanish I Spanish II Spanish III
	Grade 11	Spanish IV AP Spanish Literature
	Grade 12	Spanish IV/V AP Spanish Students may also elect to take world languages via distance learning through Virginia Virtual School including: <ul style="list-style-type: none"> • Chinese • Japanese • Latin • French • Vietnamese • German

World Language Required for Standard Diploma: World language is not required for the Standard Diploma but may count for the fine arts/career technical requirement.

World Language Required for Advanced Studies Diploma:

- Spanish I, II, III
- Spanish I and II plus 2 courses of one other world language

WORLD LANGUAGES

Course #: 5110 Course Name: French I (Virginia Virtual School) (Yearlong)
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: The course consists of oral and written practice while studying vocabulary, grammar and French culture. Reading, writing, speaking, and listening are introduced. Emphasis is placed on listening and speaking skills. Students learn conversational dialogue based on everyday patterns. Students who are enrolled in a Virginia Virtual School World Language course will be required to take a nationally recognized examination in their language as part of this course.

Course #: 5120 Course Name: French II (Virginia Virtual School) (Yearlong)
Credits: 1 Prerequisites: French I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: The course consists of oral and written practice while studying vocabulary, grammar and French culture. While speaking and listening skills continue to be emphasized, students will also increase their reading and writing skills. Students will begin to communicate more fluently in French, by learning and practicing more advanced concepts in grammar and vocabulary.

Course #: 5310 Course Name: Latin I (Virginia Virtual School) (Yearlong)
Credits: 1 Prerequisites: None
Grade Levels: 9, 10 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Through elementary readings and sentences, students learn how the Latin language operates and how English grammar and vocabulary stem from it. Students learn the inflections, rules of syntax, and vocabulary needed for the comprehension and translation of simple Latin stories.

Course #: 5320 Course Name: Latin II (Virginia Virtual School) (Yearlong)
Credits: 1 Prerequisites: Latin I; teacher recommendation
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Emphasis on vocabulary and word study is continued as well as the ability to translate English to Latin and an understanding and appreciation of the history and civilization of Rome through various readings.

Course #: 5330 Course Name: Latin III (Virginia Virtual School) (Yearlong)
Credits: 1 Prerequisites: Latin II; teacher recommendation
Grade Levels: 10, 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: An Emphasis is placed on acquiring understanding of Roman culture and an appreciation of Roman literature and on developing an increased English vocabulary through observing derivations. Studies in rhetoric and classical philosophy provide students with a valuable background for collegiate scholarship.

Course #: 5510 Course Name: Spanish I
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Strong emphasis is given to speaking, listening, reading, writing, and culture. Basic and essential vocabulary is taught through directed activities to enable the student to communicate in simple sentences. Students demonstrate understanding of words and expressions in varied contexts.

Course #: 5520 Course Name: Spanish II
Credits: 1 Prerequisites: Spanish I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course continues to build on skills learned in the first year of the language. Students continue to work towards proficiency in all five-language skills: listening, reading, writing, studying culture, and a special emphasis on speaking.

Course #: 5530 Course Name: Spanish III
Credits: 1 Prerequisites: Spanish II; teacher recommendation
Grade Levels: 10, 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Conducted almost entirely in the target language, this course refines speaking, reading, and writing skills as it emphasizes vocabulary building.

Course #: 5570 Course Name: AP Spanish Literature
Credits: 1 (weighted-1.0) Prerequisites: Spanish III; teacher recommendation
Grade Levels: 10, 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Advanced Placement Spanish Language students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply lessons in extensive written and spoken exercises. By the end of the course, students will have an expansive vocabulary and a solid, working knowledge of all verb forms and tenses. This course is the equivalent of a college-level language course.

Course #: 5810 Course Name: Chinese I (Virtual Virginia) (Yearlong)
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Strong emphasis is given to reading, writing and speaking Mandarin Chinese.

Course #: 5820 Course Name: Chinese II (Virtual Virginia) (Yearlong)
Credits: 1 Prerequisites: Chinese I
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course continues to build on skills learned in the first year of the language. Strong emphasis is given to reading, writing and speaking Mandarin Chinese.

Course #: 5830 Course Name: Chinese III (Virtual Virginia) (Yearlong)
Credits: 1 Prerequisites: Chinese I & II
Grade Levels: 9, 10, 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: This course continues to build on skills learned in the first and second year of the language. Strong emphasis is given to reading, writing and speaking Mandarin Chinese.

Other Virtual Virginia language courses follow the same pattern as Chinese.

Dickenson County Public Schools

High School Course Descriptions

BUSINESS MANAGEMENT & ADMINISTRATION COURSES AND CREDITS

D C P B U S I N E S S & T E C H C O U R S E S	Grade 9	Computer Information Systems Information Technology (IT) Fundamentals
	Grade 10	Accounting Design, Multimedia & Web Technologies Word Processing
	Grade 11	Accounting, Advanced Business Law Computer Information Systems, Advanced Design, Multimedia & Web Technologies, Advanced Economics & Personal Finance
	Grade 12	Business Management Career Education (Work-based Learning)–Seniors Only A variety of Dual Enrollment courses are available through Holton Governor’s School and Elite Learning (<i>DE only</i>).

BUSINESS MANAGEMENT & ADMINISTRATION

Course #: 6120 Course Name: Economics & Personal Finance
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance.

Course #: DE 6120 Course Name: DE Personal Finance (Elite)
Credits: 1 Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: Business Management & Administration
Brief Description: Students that successfully complete dual enrollment in Personal Finance will earn 3 hours of college credit through the local community college for FIN 107 in addition to high school credit for Personal Finance. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: 6131 Course Name: Business Law
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard
Career Cluster: Business Management & Administration
Brief Description: Students examine the foundations of the American legal system and learn the rights and responsibilities of citizens. Students gain practical knowledge and life skills by exploring economic and social concepts related to laws governing business and individuals. Focus areas include contracts, consumer protection, criminal law, tort law, international law, family/domestic law, employment law, cyber law, and careers in the legal profession. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Course #: DE 6131 Course Name: DE Business Law (Elite)
Credits: 1 Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: Business Management & Administration
Brief Description: Students that successfully complete dual enrollment Business Law will earn 6 hours of college credit through the local community college for Business Law I–II (BUS 241-242) in addition to high school credit for Business Law. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: 6135 Course Name: Business Management
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard
Career Cluster: Business Management & Administration
Brief Description: In this course students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem solving, and ethical decision making are an integral part of the course. Student leadership skills may be enhanced by participation in school-based or virtual enterprises, job shadowing, internships, cooperative education, and/or the Future Business Leaders of America (FBLA).

Course #: 6320 Course Name: Accounting
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Business Management & Administration
Brief Description: Accounting students study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Students learn fundamental accounting procedures, using both manual and electronic systems.

Course #: 6321 Course Name: Accounting , Advanced
Credits: 1 Prerequisites: Accounting
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Business Management & Administration
Brief Description: Students gain knowledge of advanced accounting principles, procedures, and techniques used to solve business problems and to make financial decisions. Students use accounting and spreadsheet software to analyze, synthesize, evaluate, and interpret business financial data. Students work in a technology-integrated environment using authentic workplace industry scenarios that reflect current industry trends and standards. The cooperative education method is available for this course.

Course #: 6612 Course Name: Computer Information Systems
Credits: 1 Prerequisites: None but keyboarding is *recommended*
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Business Management & Administration
Brief Description: Students apply problem-solving skills to real-life situations through word processing, spreadsheet, database, multimedia presentation software, and integrated software activities. Students work individually and in groups to explore computer concepts, operating systems, networks, telecommunications, and emerging technologies.

Course #: 6613 Course Name: Computer Information Systems, Advanced
Credits: 1 Prerequisites: Computer Information Systems
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Business Management & Administration
Brief Description: Students apply problem-solving skills to real-life situations through advanced integrated software applications, including printed, electronic, and Web publications. Students work independently and in groups to explore advanced computer maintenance activities, Web site development, programming, networking, emerging technology and employability skills.

Course #: 6630 Course Name: Design, Multimedia & Web Technologies
Credits: 1 Prerequisites: None but keyboarding is *recommended*
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Information Technologies; Arts, Audio/Video Technology & Communications
Brief Description: Students develop proficiency in creating desktop-published projects, multimedia presentations/projects, and Web sites using industry-standard application software. Students apply principles of layout and design in completing projects. Students create portfolios that include a résumé and a variety of desktop-published, multimedia, and Web-site projects produced in the course.

Course #: 6631 Course Name: Design, Multimedia,& Web Technologies, Advanced
Credits: 1 Prerequisites: Design, Multimedia & Web Technologies
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Business Management & Administration
Brief Description: Students develop advanced skills for creating desktop-published, interactive multimedia, and Web-site projects. Students work with sophisticated hardware and software, applying skills to real-world projects.

Course #: DE 6631 Course Name: DE Advanced Multimedia Applications (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Business Management & Administration
Brief Description: Students that successfully complete dual enrollment Advanced Multimedia Applications will earn 6 hours of college credit through the local community college for ITE 170-270 in addition to high school credit for DMWT, Advanced (6631). The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 6670 Course Name: Information Technology (IT) Fundamentals
Credits: 1 Prerequisites: None but keyboarding is *recommended*
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Information Technology
Brief Description: This course introduces the essential technical and professional skills required for students to pursue programs leading to professional careers and IT certifications. Students investigate career opportunities and technologies in four major IT areas: Information Services and Support, Network Systems, Programming and Software Development, and Interactive Media.

Course #: DE 6810 Course Name: DE Introduction to Business (Elite)
Credits: 1 Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: All
Brief Description: Students that successfully complete dual enrollment Introduction to Business will earn 3 hours of college credit through the local community college for Introduction to Business (BUS 100) in addition to high school business credit. The level of rigor for this course is the same as at the college and follows as syllabus approved by the college All dual enrollment courses follow the 10-point college scale and are not otherwise weighted in GPA calculation.

Course #: 0118 Course Name: Career Education - Work-based Learning
Credits: 1 Prerequisites: None
Grade Levels: 12 *only* Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Work-based learning (WBL) is a school-coordinated, coherent sequence of on-the-job experiences that are related to students' career goals and/or interests, are based on instructional preparation, and are performed in partnership with local businesses, industries, or other organizations in the community. Work-based learning enables students to apply classroom instruction in a real-world business or service-oriented work environment.

Career preparation and work-based learning experiences are essential in order to form and develop aspirations and to make informed choices about careers. These experiences can be provided during the school day, or through after-school programs, and will require collaborations with other organizations.

Dickenson County Public Schools

High School Course Descriptions

HEALTH, PHYSICAL EDUCATION & DRIVERS EDUCATION COURSES AND CREDITS

D C P S	Grade 9	Health & PE Grade 9
	Grade 10	Health/PE/Driver Education Grade 10
	Grade 11	Advanced PE 1
	Grade 12	Advanced PE 2
H E A L T H & P E C O U R S E S		Elective Options <ul style="list-style-type: none"> • Weightlifting/Conditioning

Health & PE Required for Standard or Advanced Diploma: (minimum of 2 units of Health & PE)

- Health & PE Grade 9
- Health/PE/Driver Education Grade 10

HEALTH, PHYSICAL EDUCATION & DRIVERS EDUCATION

Course #: 7300 Course Name: Health & PE Grade 9
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students acquire an understanding of health concepts and skills and apply them in making healthy decisions to improve, sustain, and promote personal, family, and community health. Students gain knowledge and skills in a variety of individual, dual, and team sports to develop competencies to promote an active lifestyle. Personal fitness and planning concepts are taught.

Course #: 7400 Course Name: Health /PE/Driver Education Grade 10
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students acquire an understanding of health concepts and skills and apply them in making healthy decisions to improve, sustain, and promote personal, family, and community health. Students understand and follow a physically active lifestyle that promotes good health and wellness. Students also complete drivers' education in the classroom.

Course #: 7440 Course Name: Weightlifting/Conditioning
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course is primarily geared to meet the needs of students participating in interscholastic athletics at the JV or Varsity level.

Course #: 7640 Course Name: Advanced Physical Education 11 (Adv. PE 1)
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students continue to learn and master and/or refine lifetime sports activities with emphasis on health and sports related fitness, as they relate to attainment of a healthy lifestyle. Students may elect this course in grade 11. Students may not take this course in lieu of Health and Physical Education grade 9 or grade 10 course requirements.

Course #: 7650 Course Name: Advanced Physical Education 12 (Adv. PE 2)
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students continue to learn and master and/or refine lifetime sports activities with emphasis on health and sports-related fitness, as they relate to attainment of a healthy lifestyle. Students may elect this course in grade 12. Students may not take this course in lieu of Health and Physical Education grade 9 or 10 requirement.

Dickenson County Public Schools

High School Course Descriptions

CAREER & TECHNICAL EDUCATION COURSES AND CREDITS

D C P S C A R E E R & T E C H C O U R S E S	Grade 9	Foundations of Agriculture, Food & Natural Resources Agriculture Power Systems Introduction to Marketing Parenting Principles of Engineering	
	Grade 10	Intro to Natural Resources & Ecology Agriculture Power Systems, Advanced Marketing Culinary Arts I Automotive Technology I Masonry I Drafting I	Carpentry I Cosmetology I Welding I Auto Body Technology I Criminal Justice I Life Planning Sustainability & Renewable Technologies Technology of Robotic Design Engineering Drawing and Design
	Grade 11	Fisheries & Wildlife Management Forestry Management Biological Applications in Agriculture Agriculture Structural Systems Marketing, Advanced Cosmetology II Culinary Arts II Nursing Aide (CNA) Automotive Technology II	Masonry II Drafting II Carpentry II Welding II Auto Body Repair II Criminal Justice II Nutrition and Wellness DE Forestry Management
	Grade 12	Practical Nursing I & II Automotive Technology III Masonry III Cosmetology III Culinary Arts III (Specialization) Drafting III Carpentry III Auto Body Repair III Criminal Justice III	Welding III Virginia Teachers for Tomorrow I Virginia Teachers for Tomorrow II Sports Entertainment & Recreation Marketing Travel and Tourism Marketing Work-based Learning - <i>Seniors Only</i> <u>HGS and Elite Dual Enrollment options:</u> DE Survey of Criminal Justice DE Survey of Criminology DE Engineering & Robotics DE Introduction to Engineering

CAREER AND TECHNICAL EDUCATION

Course #: DE 6640 Course Name: DE Introduction To Engineering Methods/Computer Programming (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Algebra II, Teacher recommendation, minimum score on college placement math test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: Science, Technology, Engineering and Mathematics
Brief Description: Students that successfully complete dual enrollment Introduction to Engineering Methods/Computer Programming will earn 6 hours of college credit through the local community college for Introduction to Engineering Methods (EGR 125) and Introduction to Computer Programming (EGR 127) in addition to high school credit for Introduction to Engineering Methods/Computer Programming. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 8006 Course Name: Foundations of Agriculture, Food & Natural Resources (Ag I)
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This course (Ag I) is designed to develop competencies in each of the Career Clusters as they pertain to agricultural education, including the areas of Virginia's agriculture industry; the global scope of agriculture; scientific research concepts in plant, animal, and food science; principles of leadership and opportunities within student organizations; agribusiness and Supervised Agricultural Experience program opportunities; agricultural skills and safety in power, structural, and technical systems; and natural resources and environmental systems.

Course #: 8017 Course Name: Agricultural Structural Systems
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This course will provide students with the knowledge and skills necessary to consider a career in constructing agricultural and building systems. Instruction will focus on the specific components of building systems and on developing leadership and career skills.

Course #: 8018 Course Name: Agricultural Power Systems
Credits: 1 Prerequisites: None
Grade Levels: 9, 10 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This course will focus on increasing the depth of study in power and technical systems. Areas of these systems to be addressed are engines, powertrains, hydraulics, electrical, and fuels. Instruction will also be provided in precision measurement, leadership, and career skills.

Course #: 8020 Course Name: Agricultural Power Systems, Advanced
Credits: 1 Prerequisites: Agricultural Power System
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This advanced course of study will provide instruction in detailed maintenance, troubleshooting, and repair of agricultural equipment systems and components. Advanced instruction will also be given in the administrative and clerical areas of operating an agricultural business.

Course #: 8040 Course Name: Introduction to Natural Resources & Ecology Systems
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This course serves as the introductory level course for the Natural Resources Career Cluster. Students will explore the study of natural resources and begin to develop skills and knowledge required for employment in occupations related to forestry, wildlife and natural resources management, and conservation.

Course #: 8041 Course Name: Fisheries & Wildlife Management
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: The Fisheries and Wildlife Management course offers instruction in identification and management of wildlife and aquatics and of their habitats. Content addressing the issues related to endangered species and organizations that protect fisheries and wildlife is also included.

Course #: 8042 Course Name: Forestry Management
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This course will offer students instruction in the management of the forest as a resource and as a business. Students will develop knowledge in areas like tree physiology, forest ecology, silviculture, and the management and marketing of forest products. Strong emphasis is placed on developing career skills for the forestry industry as well.

Course #: DE 8042 Course Name: DE Forestry
Credits: 1 Prerequisites: Teacher recommendation, minimum score on college placement reading test
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: Students that successfully complete dual enrollment Forestry will earn 3 hours of college credit through the local community college for FOR 100 in addition to high school credit for Forestry. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment courses follows the 10-point college grading scale and is not otherwise weighted in GPA .

Course #: 8086 Course Name: Biological Applications in Agriculture
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: This course is designed to integrate science and agriculture in the Agricultural Education classroom. Students explore the world of agriculture and the biological principles associated with it. Competencies emphasize and reinforce standards of learning for biology with agricultural applications. Localities may substitute certain course competencies to facilitate the use of laboratory facilities.

Course #: 8110 Course Name: Introduction to Marketing
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Marketing
Brief Description: This introductory course in marketing enables students to gain a basic understanding of marketing principles, technique, and career opportunities. Students will develop fundamental social, economic, mathematical, marketing, job search and decision-making skills necessary for successful initial employment in retail, wholesale, or service businesses.

Course #: 8120 Course Name: Marketing
Credits: 1 Prerequisites: Intro to Marketing
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Marketing
Brief Description: Students learn the marketing concepts, activities, and functions involved in the marketing of goods. Students develop an understanding and appreciation of marketing's role in business and society.

Course #: 8130 Course Name: Marketing, Advanced
Credits: 1 Prerequisites: Marketing
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Marketing
Brief Description: This is an upper-level class in marketing management providing students with an in-depth knowledge of marketing functions and the supervisory and management responsibilities for those functions. Students develop mid-management/supervisory skills to prepare for job advancement and/or college marketing/business management.

Course #: 8165 Course Name: Travel and Tourism Marketing
Credits: 1 Prerequisites: Marketing
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Marketing
Brief Description: In this course, students gain knowledge of the travel/tourism industry to include cruises, airlines, lodging, and car rental. They develop skills in the areas of communication, human relations, customer service, industry technology, and marketing. In addition, students obtain an understanding of the global nature of the industry, travel planning, and the career options available. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer/technology applications supporting this course are studied.

Course #: 8175 Course Name: Sports, Entertainment, and Recreations Marketing
Credits: 1 Prerequisites: Marketing
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Hospitality and Tourism
Brief Description: This introductory course helps students develop a thorough understanding of fundamental marketing concepts and theories as they relate to the sports, entertainment, and recreation industries. Students will investigate the components of branding, sponsorships and endorsements, as well as promotion plans needed for sports, entertainment and recreation events. The course also supports career development skills and explores career options. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course.

Course #: 8232 Course Name: Child Development and Parenting
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Human Resources
Brief Description: This course focuses on assessing the impact of the parenting role in society; taking responsibility for individual growth within the parenting role; preparing for a healthy emotional and physical beginning for parent and child; meeting developmental needs of children and adolescents; building positive parent-child relationships; using positive guidance and discipline to promote self-discipline, self-respect, and socially responsible behavior; obtaining parenting information, support, and assistance; and planning ways that families and society can share in nurturing children and adolescents.

Course #: 8227 Course Name: Life Planning
Credits: 1 Prerequisites: none
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Human Resources
Brief Description: Life Planning equips students with the skills to face the challenges in today's society. Students will develop a life-management plan which includes Developing Career, Community, and Life Connections; Applying Problem-Solving Processes to Life Situations; Creating and Maintaining Healthy Relationships; Developing Strategies for Lifelong Career Planning; Developing a Financial Plan; Examining Components of Individual and Family Wellness; and Demonstrating Leadership within the Community. Critical thinking and practical problem solving are emphasized through relevant life applications.

Course #: 8229 Course Name: Nutrition and Wellness
Credits: 1 Prerequisites: none
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Human Resources
Brief Description: Students enrolled in Nutrition and Wellness focus on making choices that promote wellness and good health; analyzing relationships between psychological and social needs and food choices; choosing foods that promote wellness; obtaining and storing food for self and family; preparing and serving nutritious meals and snacks; selecting and using equipment for food preparation; and identifying strategies to promote optimal nutrition and wellness of society. Critical thinking, practical problem solving, and entrepreneurship opportunities within the area of nutrition and wellness are emphasized.

Course #: 8275 Course Name: Culinary Arts I (2 blocks x 1 semester)
Credits: 2 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: The Culinary Arts I curriculum provides students with the foundations for a comprehensive knowledge of the food service industry and with opportunities to build technical skills. Students examine and practice basic rules and procedures related to kitchen and food safety, kitchen sanitation procedures, and emergency measures. Students explore the purchasing and receiving of goods and study fundamental nutritional principles and guidelines. As they explore food-preparation techniques, students practice applying these techniques to the preparation and serving of basic food products. The curriculum places a strong emphasis on science and mathematics knowledge and skills.

Course #: 8276 Course Name: Culinary Arts II (2 blocks x 1 semester)
Credits: 2 Prerequisites: Culinary Arts I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: Culinary Arts II provides students an opportunity to refine skills in serving, dining room management, and other skills learned in Culinary Arts I. Students prepare for occupations such as chef/cook, baker/pastry helper, pastry decorator, hospitality worker, dietetic aide/assistant, food demonstrator, and entrepreneur. Critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Teachers highlight the basic skills of mathematics, science and communication when appropriate in content.

Course #: 8279 Course Name: Culinary Arts Specialization (2 blocks x 1 semester)
Credits: 2 Prerequisites: Culinary Arts II
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food & Natural Resources
Brief Description: The 3rd level of Culinary Arts, Culinary Arts Specialization, provides students with continuing opportunities to obtain comprehensive knowledge of the food service industry as well as to expand their technical skills in a food service specialty. Students explore careers and refine their skills in implementing safety and sanitation standards, applying nutritional principles, planning menus, using business and math skills, and selecting and maintaining food service equipment. Students specialize in baking and pastry food preparation techniques.

Course #: 8357 Course Name: Practical Nursing I (2 blocks x 1 semester-fall)
Credits: 2 Prerequisites: Algebra I, biology I, chemistry I
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Health Science
Brief Description: This is part one (fall semester) of a two-part, full-year course. Students must also register for part two, Practical Nursing II for the spring semester. This course offers pre-clinical nursing instruction during the student's senior year of high school. Foundations of nursing including communication, anatomy and physiology, and medical math, are the main units of focus. Competency-based instruction provides students with the skills needed to provide basic bedside nursing care used for hospitalized, nursing home, and homebound patients.

Course #: 8358 Course Name: Practical Nursing II (2 blocks x 1 semester-spring)
Credits: 2 Prerequisites: Practical Nursing I
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Health Science
Brief Description: This is part two (spring semester) of a two-part, full-year course. Students must also register for part one, Practical Nursing I for the fall semester. This course offers preclinical nursing instruction during the student's senior year of high school. Foundations of nursing including communication, anatomy and physiology, and introduction to pharmacology, are the main units of focus. Competency-based instruction provides students with the skills needed to provide basic bedside nursing care used for hospitalized, nursing home, and homebound patients.

Course #: 8360 Course Name: Nursing Aide (CNA) (2 blocks x 1 semester)
Credits: 2 Prerequisites: Algebra I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Health Science
Brief Description: CNA emphasizes the study of nursing occupations as related to the health care system. Students study normal growth and development, simple body structure and function, and medical terminology and are introduced to microbes and disease. They receive elementary skill training in patient-nursing assistant relationships; taking and recording of vital signs; cardiopulmonary resuscitation; and bathing, feeding, dressing, and transporting of patients in hospitals and nursing homes.

Course #: 8414 Course Name: Sustainability & Renewable Technologies
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Agriculture, Food, and Natural Resources
Brief Description: This course explores issues that affect global citizens in the areas of **economics, culture, and the environment**. The course introduces students to the historic, economic, political, environmental, and cultural issues that impact the global community and its' future. Students will address issues affecting the health of our environment and explore solutions offered by sustainable agriculture, energy efficient building design, and renewable energy sources.

Course #: 8421 Course Name: Technology of Robotic Design
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Science, Technology, Engineering and Mathematics
Brief Description: This course engages students in exploration of issues that affect global citizens in the areas of **economics, culture, and the environment**. The course introduces students to the historic, economic, political, environmental, and cultural issues that impact the global community and its' future. Students will address issues affecting the health of our environment and explore solutions offered by sustainable agriculture, energy efficient building design, and renewable energy sources.

Course #: 8436 Course Name: Engineering, Drawing & Design
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Science, Technology, Engineering and Mathematics
Brief Description: This course engages students in exploration of the engineering design process and uses a graphic language for product design, technical illustration, assembly, patent, and structural drawings. They increase their understanding of drawing and the design process and techniques learned in the prerequisite course. Students use computers, calculators, and descriptive geometry and adhere to established standards to solve design problems.

Course #: 8441 Course Name: Principles of Engineering
Credits: 1 Prerequisites: None
Grade Levels: 9 Diploma: Standard or Advanced
Career Cluster: Science, Technology, Engineering and Mathematics
Brief Description: In this foundation course in Project Lead the Way (PLTW), students explore the engineering profession and the fundamental aspects of engineering problem solving. Students study the historical and current impacts of engineering on society, including ethical implications. Mathematical and scientific concepts will be applied to fundamental engineering topics, including mechanics and electrical-circuit theory.

Course #: DE 8490 Course Name: DE Engineering & Robotics (HGS)
Credits: 1 (weighted-1.0) Prerequisites: Algebra II, Teacher recommendation, minimum score on college placement math test
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: Science, Technology, Engineering and Mathematics
Brief Description: Students that successfully complete dual enrollment Engineering & Robotics will earn 5 hours of college credit through the local community college for Introduction to Engineering Technology (MEC 101) and Introduction to Robotics (IND 160) in addition to high school credit for Engineering & Robotics. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. HGS courses are currently weighted.

Course #: 8506 Course Name: Automotive Technology I (1 blocks x 2 semesters)
Credits: 2 Prerequisites: None
Grade Levels: 10, 11 Diploma: Standard or Advanced
Career Cluster: Transportation, Distribution, and Logistics
Brief Description: This course represents a large sampling of the competencies from National Automotive Technician's Education Foundation's (CNATEF's) Maintenance and Light Repair accredited program. Students are provided instruction in all systems as they prepare for the ASE (Automotive Service Excellence) Student Certification, "the first step in building a career as a service professional in the automotive industry."

Course #: 8507 Course Name: Automotive Technology II (2 blocks x 2 semesters)
Credits: 4 (parts A & B) Prerequisites: Automotive Technology I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Transportation, Distribution, and Logistics
Brief Description: This course represents the advanced competencies from National Automotive Technician's Education Foundation's (CNATEF's) Maintenance and Light Repair accredited program without redundancy from the prerequisite course. Students are provided instruction in all systems as they prepare for the ASE (Automotive Service Excellence) Student Certification, "the first step in building a career as a service professional in the automotive industry." Successful completion of this course will result in program completion and prepare students to pass the equivalent NATEF student exam and ultimately attain certification.

Course #: 8508 Course Name: Automotive Technology III (2 blocks x 1 semester)
Credits: 2 Prerequisites: Automotive Technology I & II
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Transportation, Distribution, and Logistics
Brief Description: This course is available for students who have completed the first two courses of Automotive Technology and attained program-completer status. The tasks for this capstone course represent the middle-tier standards of the National Automotive Technician's Education Foundation's (NATEF's) Automobile Service Technology accredited program. Students are provided instruction in all systems as they prepare for the ASE (Automotive Service Excellence) Student Certification, "the first step in building a career as a service professional in the automotive industry."

Course #: 8512 Course Name: Masonry I (1 block x 1 semester)
Credits: 1 Prerequisites: None
Grade Levels: 10, 11 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students learn to use hand tools such as trowels, levels, and chisels and power tools such as concrete mixers to lay brick, concrete block, tile, and related materials. Students focus on problem-solving and employability skills while performing entry-level brick masonry tasks.

Course #: 8513 Course Name: Masonry II (2 blocks x 1 semester)
Credits: 2 Prerequisites: Masonry I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students continue to use hand tools such as trowels, levels, and chisels and power tools such as concrete mixers to lay brick, concrete block, tile, and related materials. Students also perform residential and commercial masonry tasks. The cooperative education method is available for this course.

Course #: 8514 Course Name: Masonry III (2 blocks x 1 semester)
Credits: 2 Prerequisites: Masonry I & II
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students master the use of hand tools such as trowels, levels, and chisels and power tools such as concrete mixers to lay brick, concrete block, tile, and related materials. Students perform residential and commercial masonry tasks and prepare the building site to perform advanced masonry tasks.

Course #: 8527 Course Name: Cosmetology I (1 blocks x 2 semesters)
Credits: 2 Prerequisites:
Grade Levels: 10 Diploma: Standard or Advanced
Career Cluster: Human Services
Brief Description: In this introductory course, students study hair, skin, and nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. The first-year course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures.

Course #: 8528 Course Name: Cosmetology II (2 blocks x 2 semesters)
Credits: 4 Prerequisites: Cosmetology I
Grade Levels: 11 Diploma: Standard or Advanced
Career Cluster: Human Services
Brief Description: In this advanced course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to permanent waves, relaxers, soft-curl permanent waves, lightening, and coloring hair. They also develop artistic skills with wigs and hair additions. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. A business management unit focuses on managing the salon. Competency completion prepares the student for the Virginia State Licensing Exam. Students can combine classroom instruction and supervised on-the-job training in an approved position or internship with continuing supervision throughout the school year.

Course #: 8529 Course Name: Cosmetology III (1 blocks x 2 semesters)
Credits: 2 Prerequisites: Cosmetology II
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Human Services
Brief Description: In this 3rd level course, students continue studies from Cosmetology II in preparation for the Virginia State Licensing Exam.

Course #: 8530 Course Name: Drafting I (1 block x 1 semester)
Credits: 1 Prerequisites: none
Grade Levels: 10, 11 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students explore drafting careers and are introduced to the theory and the manipulative skills necessary to produce and complete accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students begin to focus on performing mechanical drafting and design operations, using CADD.

Course #: 8531 Course Name: Drafting II (2 blocks x 1 semester)
Credits: 2 Prerequisites: Drafting I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students master the theory and manipulative skills necessary to produce complete and accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students focus on performing mechanical drafting and design operations, using CADD, and exploring careers in drafting including industry certification options.

Course #: 8532 Course Name: Drafting III (2 blocks x 1 semester)
Credits: 2 Prerequisites: Drafting II
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students are taught the theory and the manipulative skills necessary to produce and complete accurate drawings based on the ideas and sketches of engineers, architects, and designers. Students focus on performing architectural drafting and design operations, using CADD, and exploring careers in drafting, including industry certification options.

Course #: 8601 Course Name: Carpentry I (1 block x 1 semester)
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Carpentry I introduces students to skills essential to success in the profession. Students use hand and power tools to cut stock; learn to read blueprints; build and install foundations, trusses, doors, windows, stairs, and finishes; and frame walls, floors, ceilings, roofs, decks, and porches.

Course #: 8602 Course Name: Carpentry II (2 blocks x 1 semester)
Credits: 2 Prerequisites: Carpentry I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students study blueprints; build and install foundations, trusses, doors, windows, stairs, and finishes; and frame walls, floors, ceilings, roofs, decks, and porches. In addition, students are introduced to basic rigging, learn to estimate and select building materials, and install cabinets.

Course #: 8603 Course Name: Carpentry III (2 blocks x 1 semester)
Credits: 2 Prerequisites: Carpentry II
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: This course prepares students for success in the carpentry profession. Students use hand and power tools to cut stock; build and install foundations, trusses, doors, windows, stairs, and finishes; study blueprints; and frame walls, floors, ceilings, roofs, decks, and porches. In addition, students are introduced to basic rigging, learn to estimate and select building materials, and install cabinets.

Course #: 8672 Course Name: Welding I (1 block x 2 semesters)
Credits: 2 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students learn to use gases and electric arc processes to fabricate and weld metal parts according to diagrams, blueprints, and specifications. Students will also receive all safety-related practices and techniques including the OSHA 10 card.

Course #: 8673 Course Name: Welding II (2 blocks x 2 semesters)
Credits: 4 Prerequisites: Welding I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: Students continue to apply the practices and techniques learned in Welding I using advanced welding techniques to fabricate and weld metal parts according to diagrams, blueprints, specifications, and industry certification.

Course #: 8674 Course Name: Welding III (2 blocks x 1 semester)
Credits: 2 Prerequisites: Welding II
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Architecture & Construction
Brief Description: This capstone course in welding teaches the industry's emerging technologies, including exotic metals and their applications, and how to master gas tungsten arc welding (GTAW) and shielded metal arc welding (SMAW) pipe tests. Students are prepared to earn relevant industry credentials toward employment in production or manufacturing facilities.

Course #: 8676 Course Name: Auto Body Technology I (1 block x 2 semesters)
Credits: 2 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Transportation, Distribution, and Logistics
Brief Description: In the global automotive repair industry, there is a growing demand for qualified auto body technicians. In this course, students are taught non-structural analysis, damage repair, and welding. Students work with a variety of materials, using metal finishing and body filling techniques to prepare surfaces and repair panels. In addition, students practice shop safety and gain career skills. Students who successfully complete this program sequence will be prepared to take and pass the respective ASE/NATEF exam and will be prepared for postsecondary education opportunities.

Course #: 8677 Course Name: Auto Body Technology II (2 blocks x 2 semesters)
Credits: 4 (Parts A & B) Prerequisites: Auto Body Technology I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Transportation, Distribution, and Logistics
Brief Description: In the global automotive repair industry there is a growing demand for qualified auto body technicians. In this course, students are taught to repair, mask, and refinish auto body components and entire vehicles. In addition, they use spray guns and personal safety equipment while applying undercoats and topcoats, working with a variety of materials, and gaining career skills. Students who successfully complete this program sequence will be prepared to take and pass the respective ASE/NATEF exam and will be prepared for postsecondary education opportunities.

Course #: 8678 Course Name: Auto Body Technology III (1 block x 2 semesters)
Credits: 2 Prerequisites: Auto Body Technology I & II
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Transportation, Distribution, and Logistics
Brief Description: This course allows students to further apply the tasks/competencies learned in Auto Body Technology I and II, including Structural Analysis Collision & Repair & Paint Refinishing. This course may also be used as a capstone course in which students may perfect their auto body skills and move toward employment in the industry. Students who successfully complete this program sequence will be prepared to take and pass the respective ASE/NATEF exam and will be prepared for postsecondary education opportunities.

Course #: 8702 Course Name: Criminal Justice I (1 block x 1 semester)
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: Law, Public Safety & Security
Brief Description: This course is designed for students who are considering a career in criminal justice. The course prepares students for career opportunities within the criminal justice system as well as entrance into institutions of higher learning. Specific areas of training will be provided in criminal law and investigation, security training, communications, emergency response, crimes, search and seizures, arrests, crime prevention, court procedure, and police operations.

Course #: DE 8702 Course Name: DE Survey of Criminal Justice (Elite)
Credits: 1 Prerequisites: Teacher recommendation; college placement
Grade Levels: 11, 12 Diploma: Advanced
Career Cluster: Law, Public Safety & Security
Brief Description: Students that successfully complete this dual enrollment course will earn 3 hours of college credit through the local community college for Survey of Criminal Justice (ADJ 100) in addition to high school credit for Criminal Justice I. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: 8703 Course Name: Criminal Justice II (2 blocks x 1 semester)
Credits: 2 Prerequisites: Criminal Justice I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Law, Public Safety & Security
Brief Description: This course is an in-depth study of crime in America, United States' courts in action, and law enforcement efforts to deal with crime. The course will look into victimization, due process, and Constitutional laws affecting law enforcement as well as a review of sentencing offenders, parole, prison rehabilitation, and corrections of the 1990s.

Course #: DE8703 Course Name: DE Survey of Criminology (Elite)
Credits: 1 Prerequisites: None
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Law, Public Safety & Security
Brief Description: Students that successfully complete dual enrollment Survey of Criminology will earn 3 hours of college credit through the local community college for Survey of Criminology (ADJ 107) in addition to high school credit for Criminal Justice II. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. This dual enrollment course follows the 10-point college grading scale and is not otherwise weighted in GPA calculation.

Course #: 8704 Course Name: Criminal Justice III (2 blocks x 1 semesters)
Credits: 2 Prerequisites: Criminal Justice II
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Law, Public Safety & Security
Brief Description: This course is an in-depth study of crime in America, United States' courts in action, and law enforcement efforts to deal with crime. The course will look into victimization, due process, and Constitutional laws affecting law enforcement as well as a review of sentencing offenders, parole, prison rehabilitation, and corrections of the 1990s.

Course #: DE 8704 Course Name: DE Criminology (Elite)
Credits: 1 Prerequisites: Criminal Justice I
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: Law, Public Safety & Security
Brief Description: Students that successfully complete dual enrollment Criminology will earn 3 hours of college credit through the local community college for Survey of Criminology (ADJ 107) in addition to high school credit for Criminology. The level of rigor for this course is the same as at the college and follows a syllabus approved by the college. All dual enrollment courses follow the 10-point college grading scale and are not otherwise weighted in GPA calculation.

Course #: 9062 Course Name: Virginia Teachers for Tomorrow
Credits: 1 Prerequisites: none
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Education & Training
Brief Description: Virginia Teachers for Tomorrow (VTfT) fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Students build a foundation for teaching; learn the history, structure and governance of teaching; apply professional teaching techniques in the VTfT classroom; and reflect on their teaching experiences. Additional educational leadership opportunities are offered through the student organization, Future Educators Association.

Course #: 9072 Course Name: Virginia Teachers for Tomorrow II
Credits: 1 Prerequisites: VTfT I
Grade Levels: 12 Diploma: Standard or Advanced
Career Cluster: Education & Training
Brief Description: Students continue to explore careers in the Education and Training Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience.

Dickenson County Public Schools

High School Course Descriptions

FINE ARTS COURSES AND CREDITS

D C P S F I N E A R T S C O U R S E S	Grade 9	Art I Beginning Band Beginning Chorus
	Grade 10	Art I Art II Intermediate Band Beginning or Intermediate Chorus
	Grade 11	Art II Art III Advanced Band Beginning, Intermediate, or Advanced Chorus
	Grade 12	Art III Advanced Band Beginning, Intermediate, or Advanced Chorus Students may also elect to take the following courses to meet the fine arts graduation requirement. <ul style="list-style-type: none"> • Introduction to Theatre or Theatre II • Creative Writing • DE Creative Writing

Fine Arts Required for Standard Diploma: Minimum of 2 Units of Fine Arts **or** CTE is required.

Fine Arts Required for Advanced Studies Diploma: Minimum of 1 Unit Fine Arts **or** CTE is required.

FINE ARTS

Course #: 9232 Course Name: Beginning Band
Credits: 1 Prerequisites: None (Middle school band recommended)
Grade Levels: 9, 10, 11 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students will begin instruction on a band or string instrument of their choice. Instruction begins at any grade level and continues until the skill levels are mastered. Students will demonstrate proper care of the instrument and will be familiar with the technology of the instrument. They will demonstrate basic positions, tone production, and fingerings, and will count, read, and perform the beginning level of music being studied (VBODA Solo Repertoire, Level 1-2). Teachers will use available standard method books to deliver instruction in either homogeneous or heterogeneous class settings with limited ensemble work.

Course #: 9232 Course Name: Intermediate Band
Credits: 1 Prerequisites: Beginning Band
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: In this course students will begin to use more articulations and bowings, perform scales and music in more difficult key signatures, demonstrate shifting and vibrato, and perform music at an intermediate level of difficulty (VBODA Solo Repertoire, Level 2-4). Ensemble skills will become more developed as students participate in band and orchestral settings. Students will describe concepts common to music and other disciplines, and will be involved in discussing various cultures, styles, composers, and historical periods

Course #: 9232 Course Name: Advanced Band
Credits: 1 Prerequisites: Intermediate Band
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students at the Advanced Level (VBODA Solo Repertoire, Level 4-5) will participate regularly in an orchestra or band setting. Technical and expressive skills will increase in difficulty as the student demonstrates a variety of articulations, bowings, positions, alternate fingerings, and vibrato while playing the required scales, arpeggios, and rudiments in more complex rhythmic patterns. Percussion students will become more proficient in the use of mallet instruments, timpani, and auxiliary instruments. Advanced instrumental students will perform, discuss, and critically evaluate characteristics of more elaborate music compositions. Students will discuss relationships between music concepts and other disciplines, and be involved in discussing various cultures, styles, composers, and historical periods.

Course #: 9260 Course Name: Beginning Chorus
Credits: 1 Prerequisites: None
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course emphasizes fundamental vocal development, traditional notation, and the introduction to ensemble singing. These standards require performance, creativity, and investigation at a fundamental level. Opportunities are provided for students to explore the relationship between music and the other fine arts and between music and disciplines outside the arts.

Course #: 9232 Course Name: Intermediate Chorus
Credits: 1 Prerequisites: Beginning Chorus
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course designed for students who have achieved competency in beginning vocal/choral skills. Emphasis is placed on the continuing development of vocal production techniques and ensemble participation. The standards require performance, creativity, and investigation at a level of increased ability, as well as an understanding and application of traditional music notation. Opportunities are continued for students to explore the relationship between music and the other fine arts and between music and disciplines outside of the arts.

Course #: 9232 Course Name: Advanced Chorus
Credits: 1 Prerequisites: Intermediate Chorus
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: In this course the Advanced Level student will continue to acquire proficiency in ensemble singing and will begin to develop competency in individual performance. Singing with refined expressive qualities, the student will perform vocal/choral selections and sight-reading material of increased levels of difficulty. Students will demonstrate expanded abilities in performance, creativity, and analytical investigation and will gain experiential knowledge of leadership and evaluative skills in group and individual settings. Opportunities are continued for students to explore the relationship between music and other disciplines.

Course #: 9120 Course Name: Art I/Art Foundations
Credits: 1 Prerequisites:
Grade Levels: 9, 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course introduces students to the foundational elements and principles of design to be used as a basis for the development of a common language both visual and verbal. It provides an overview of many aspects of art through a variety of experiences in drawing, painting, printmaking, and sculpture.

Course #: 9130 Course Name: Art II/Intermediate
Credits: 1 Prerequisites: Art I
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course provides students with the opportunity to build on the skills developed in Art I in the areas of drawing, painting, printmaking, and sculpture. An in-depth exploration of a variety of media allows students to develop a personal style and compile a portfolio.

Course #: 9140 Course Name: Art III/Advanced Intermediate
Credits: 1 Prerequisites: Art I & II
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: Students continue development of artistic & aesthetic skills learned in previous courses at a more advanced level with increased emphasis on personal expression & on use of a wider range of media in the areas of drawing, painting, printmaking, and sculpture. Students continue to develop their portfolios.

Course #: 1410 Course Name: Introduction to Theatre
Credits: 1 Prerequisites: None
Grade Levels: 10, 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: This course enables students to survey theatre arts, experience and appreciate theatrical works and performances, and participate in the creative processes of producing and performing theatre. The course emphasizes foundational concepts, ensemble work, and skill development and provides theatrical opportunities for students to determine areas of personal interest.

Course #: 1420 Course Name: Theatre II
Credits: 1 Prerequisites: Intro to Theatre and teacher recommendation
Grade Levels: 11, 12 Diploma: Standard or Advanced
Career Cluster: All
Brief Description: In this course students make use of and build upon the concepts learned and skills acquired in Theatre I. Through various modes of expression and performance, students expand their artistic abilities and appreciation of theatre arts.

Notes and Questions:

For more information about your course choices or your academic/career path, please talk with your school's guidance counselor.

