

Planning Guide *For* *Students and Parents*



2010 – 2011

A Program of Studies - Grades 9 -12
Radford High School
Radford, Virginia

“Continuing a Tradition of Excellence”

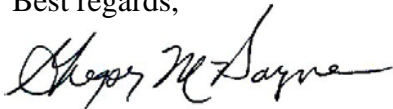
Dear Parents and Students,

Welcome to Radford High School. We believe Radford High School is among the best public high schools in the entire commonwealth of Virginia. Our tradition here is excellence. We challenge you to continue our tradition in high standards of excellence. We look forward to partnering with you as you achieve in the classroom. The expectations are high. However, our teachers and administration stand ready to support, enhance and empower you in pursuit of success.

We hope that the years you spend with us are among the best of your lives. Please take advantage of the wide variety of courses, programs of study, co and extra-curricular activities and learning experiences offered at Radford High School. In addition, forge positive relationships with your teachers. Your teachers have a wealth of knowledge, experience and guidance to offer you. Please allow them to enrich your lives.

In conclusion, I encourage you to get “connected” and stay involved. Cultivate a love for life-long learning, sharpen your minds, and create positive relationships with others. Establish goals and work diligently to achieve them. Together, we can build a strong foundation and make wonderful memories in the process.

Best regards,

A handwritten signature in black ink that reads "Gregory M. Payne". The signature is written in a cursive style with a long, sweeping underline.

Gregory M. Payne
Principal
Radford High School
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RADFORD HIGH SCHOOL **COURSE SELECTION GUIDE**

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GENERAL INFORMATION

ACCREDITATION

Radford High School is accredited by the Virginia Department of Education and the Southern Association of Colleges and Schools.

ADVANCED PLACEMENT COURSES

Advanced Placement courses are designed to enable highly motivated and capable students to learn at a rate commensurate with their ability. The courses are conducted on a mature level and the student is expected to assume much of the responsibility for his/her own progress. Students are encouraged to take the College Board's Advanced Placement examination in May. Students can gain college credit by demonstrating their proficiency on this examination. Grades in all Advanced Placement courses are weighted.

Radford High School offers AP courses in U. S. History, U. S. Government, Art History, Computer Science, AB Calculus, Music Theory, Chemistry and English Literature. Students also may enroll in AP classes our school is authorized to teach through the Virtual Virginia AP School which include: Psychology, European History, World History, Government and Politics: Comparative, Statistics, Human Geography, Environmental Science, Economics, Calculus BC, English Language and Composition.

Students may take Virtual Virginia AP Courses with tuition waived and will not have to pay a fee to take the AP Examination if they and their parents sign an Early College Scholars agreement and meet the requirements for this program (see page 7). Students must register for these courses in the spring, and are responsible for checking on line at <http://www.virtualvirginia.org/courseinfo/summerassignments.shtml> for any summer assignments for which they may be responsible. Late withdrawal from virtual classes will incur a fee that the student is responsible for and may result in an F for the course grade.

ADVANCED PLACEMENT EXAMINATIONS PROGRAM

College Board orchestrates the Advanced Placement (AP) Examinations Program. Advanced Placement exams are given in May and measure the students' knowledge in specific subject areas. AP courses taught by dedicated and committed high school teachers lay the groundwork for students to succeed on AP exams. Depending upon their scores, students may be awarded college credit and/or advanced placement at participating colleges and universities.

Students enrolled in AP courses at Radford High School who pay the required fee may take the AP exams. Students enrolled in Virtual Virginia AP courses may take these exams free of charge if the student is designated as an Early College Scholar (except for any fee the schools is charged for returning an unused exam).

The school's designated AP Coordinator administers Advanced Placement Examinations each May. In June, the examinations are graded on a five-point scale: 5 = extremely well qualified; 4 = well qualified; 3 = qualified; 2 = possibly qualified; 1 = no recommendation. In July, the scores are sent to the students, their designated colleges, and their home schools.

A student who needs financial assistance to pay for the examination should talk confidentially with the guidance counselor or the AP coordinator. For additional information on the Advanced Placement Examinations Program, students should see the AP coordinator.

ALTERNATIVE EDUCATION

As a safety net for struggling students we offer a comprehensive package of alternative education plans designed to meet the individual needs of students needing enrichment to pass classes or graduate. A committee will determine on a case by case basis whether programs such as credit recovery, intensive enrichment, or pre-GED (ISAEP) would increase a student's opportunities for academic success. Input from the individual student, his or her parents, teachers, counselors and administrators will be considered in determining what avenues are best suited to foster academic achievement.

COLLEGE CREDIT

Students who desire an additional academic challenge may take college-level courses at local colleges and universities with the approval of the high school principal. Students must also meet the admissions requirements set forth by the college or university as well as pay the full cost for the college course taken.

CURRICULUM PLANNING

The schedule at Radford High School is a six period day between the hours of 8:15 a.m. and 2:35 p.m., with fifty minutes in each class and a thirty-minute lunch period. An optional "zero period," beginning at 7:40 a.m., allows a motivated student to earn a seventh credit. Certain subjects are recommended for students planning to attend college; however, students are not required to select a prescribed curriculum track such as academic or vocational. The program selection should reflect the student's academic/vocational abilities, needs and interests. Study halls are not offered at RHS.

DIPLOMA SEALS

The most recent graduation requirements include the following diploma seals and awards for students who demonstrate academic excellence and/or outstanding achievement:

- **Board of Education Seal:** Standard Diploma – Students with an average grade of "A" (3.5 and above).

- Career and Technical Education Seal: Standard or Advanced Studies Diploma – Students who 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 (i) pass an examination in a career and technical education concentration or specialization that confers certification from a recognized industry, trade or professional association, or (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia.
- Excellence in Civics Education Diploma Seal: Standard or Advanced Diploma – Students who have completed history and government classes with a grade of “B” or higher and have completed 50 hours of volunteer activities, or have enlisted in the military may qualify for this Board of Education seal. See a guidance counselor if you think you may qualify.
- Governor’s Seal: Advanced Studies Diploma – Students with a grade average of “B” (3.0 and above) who also successfully complete at least nine transferable college credits in either Advanced Placement or Dual Enrollment courses.
- Seal of Advanced Mathematics and Technology: Standard or Advanced Studies Diploma – Students who (i) 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 (ii) 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 a 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.

DUAL ENROLLMENT THROUGH NRCC

In cooperation with New River Community College, Radford High School offers several dual enrollment courses. A high school student enrolled in dual enrollment courses can earn both high school and college credit for work completed in high school. These courses are available to students free of charge. All dual enrollment courses are weighted.

ENGLISH AS A SECOND LANGUAGE (ESL)

English as a second language is available to students with non-English or limited English proficiency.

EXAMINATIONS

An examination, usually 120 minutes in length, is given at the end of each semester in all courses.

EXEMPTION FROM EXAMINATIONS

Every student must take all first semester exams which will count 1/4 of the semester grade. Every student missing more than 10 days must take the final exam to prove competency in the course material. Further, the policy will be tied directly to student academic achievement in that a student missing 10 days in any class must have an “A” average in the class for the exemption, a student missing 9 days must have a “B”, a student missing 8 days must have a “C”, and student missing 7 days must have a “D” average to qualify for the exemption. All absences will be figured on a per class basis. Three tardies shall equal one absence. A student who misses 1/3 shall receive an absence. Please refer to the Radford High School Attendance Policy for more information about school excused absences.

GRADE LEVEL CLASSIFICATION

Grade level classification is based on the total number of course units accumulated as follows:
 Sophomore..... 5 units
 Junior 10 units
 Senior 15 units

GRADE SYSTEM

A = 94-100; B = 87-93; C = 77-86; D = 70-76;
 F = 0-69

GPA (Grade Point Average): All high school courses and courses taken prior to the ninth grade which are considered to be high school courses (Algebra I, Spanish I, etc.) are calculated in the GPA. Each final letter grade is assigned a number of points A=4, B=3, C=2, D=1, F=0. The points are totaled, then divided by the number of credits taken to arrive at the cumulative GPA.

GRADE WEIGHTING

The following grading scale is used for Advanced Placement, Honors, and Dual Enrollment classes with the following quality points:

<u>AP, HONORS and DE</u>	<u>ALL OTHER CLASSES</u>
94-100 A=5	94-100 A=4
87-93 B=4	87-93 B=3
77-86 C=3	77-86 C=2
70-76 D=2	70-76 D=1
0-69 F=0	0-69 F=0

Courses taken at the college level will be considered on an individual basis for weighting purposes. A committee consisting of the principal and/or assistant principal, senior guidance counselor, and a faculty member from the appropriate academic discipline, in consultation with either the professor of the college course or his/her department chairperson, will decide whether the course will be weighted.

HONOR ROLL

To be on the honor roll, a student must have a “B” average and no grade lower than a “C” on his/her report card.

INTERNET USAGE GUIDELINES

Radford City Schools provides access to Internet and other on-line computer services to teachers and students via computer systems available throughout the school system. A computer usage contract is signed by students and their parents before students are allowed to use computers in supervised settings. The signed contract is maintained in the school office. Inappropriate use will result in the cancellation of this privilege and appropriate disciplinary action.

MINIMUM ENROLLMENT REQUIREMENTS

All courses listed herein are subject to a minimum enrollment of ten students per course.

NCAA ELIGIBILITY CENTER FOR COLLEGE-BOUND ATHLETES

Students who plan to participate as college freshmen in Division I or II athletic programs must register and be certified by the NCAA (National Collegiate Athletic Association) Eligibility Center.

NCAA eligibility requirements may change annually; therefore, it is imperative that future college athletes read current NCAA materials. Students should specifically review core course requirements, SAT requirements, recruiting rules, and amateur status. You can access the eligibility center website directly at <https://web1.ncaa.org/eligibilitycenter/common> or via links provided from the NCAA Website at www.ncaa.org.

You may pay your registration fee online by credit card. If you qualify for a fee waiver, you must talk with your guidance counselor who can submit your waiver via the Web. If you need transcripts sent to the NCAA, please see a guidance counselor for a transcript request form. The guidance office will use this form to forward your final transcript to the NCAA. If you have questions, call customer service at 877-262-1492 or see a high school counselor.

NON-DISCRIMINATION STATEMENT

The Radford City School Board does not discriminate on the basis of race, color, religion, national origin, marital status, sex, disabling condition, or age in admission or access to its programs and activities. The Superintendent of Schools is designated as the responsible person regarding assurances and non-discrimination. He may be reached at the following address: School Administration Building, 1612 Wadsworth Street, P. O. Box 3698, Radford, VA 24143

REGISTRATION PROCEDURES

Student scheduling begins each year during the early spring. This process begins in large group sessions through English classes. Counselors go into classes and inform students of all class offerings and other information about course selection. Each student makes preliminary schedule choices at this time. Students then take the preliminary schedule home where it is to be reviewed, changed (if necessary), signed by the parent, and then returned to school with the student. The student’s previous grades, educational goals, career goals, and test scores are considered during scheduling, along with teacher recommendations, school policies, and State Department of Education regulations. Students and parents can request an individual conference with the counselor to review the student’s schedule. Students have the opportunity to change schedule choices until June 15 when the course selection process is completed.

REQUIREMENTS FOR GRADUATION

Standard Diploma

<u>Discipline Area</u>	<u>Credits</u>	<u>Verified Units</u>
English	4	2
Math *	3	1
Science*	3	1
Social Studies *	3	1
Foreign Language	0	0
Health & PE	2	0
Fine or Practical Arts	1	0
Electives *	6	0
Student Selected Tests *	-	1
Total	22	6

*See Special Provisions

Special Provisions for Standard Diploma

Mathematics-Three credits from at least two different disciplines. Examples: Algebra I, Geometry, Algebra II; or, Algebra I, Alg. Functions, & Data Analysis, Geometry

Laboratory Science-Three courses from at least two different science disciplines. Examples: Earth Science, Biology I, Biology II; or, Earth Science, Biology I, Chemistry.

History & Social Sciences-The three courses must include World Civilizations I, US History, and US Government.

Electives- Two sequential electives are required.

Student Selected Tests-The student selected tests for verified units may come from any end-of-course SOL test that is not already used as a verified unit.

RECOMMENDED COURSES FOR THE STANDARD DIPLOMA

Grade 9/English 9
 Math
 Earth Science
 World Civilization I
 Health and Physical Education 9
 _____ (fine/practical art
 elective)

Grade 10/English 10
 Math
 Biology
 Health and Physical Education 10
 _____ (elective)
 _____ (elective)

Grade 11/English 11
 U. S. History
 Science
 Math
 _____ (elective)
 _____ (elective)

Grade 12/English 12
 U.S. Government
 _____ (elective)
 _____ (elective)
 _____ (elective)
 _____ (elective)

Advanced Studies Diploma

<u>Discipline Area</u>	<u>Credits</u>	<u>Verified Units</u>
English	4	2
Math*	4	2
Science *	4	2
Social Studies *	4	2
Foreign Language *	3	0
Health & PE	2	0
Fine or Practical Arts	1	0
Electives	2	0
Student Selected Test *	-	1
Total	24	9

*See Special Provisions

Special Provisions for Advanced Studies Diploma

Mathematics-Four credits from at least three different disciplines. Examples: Algebra I, Geometry, Algebra II, Pre-Calculus.

Laboratory Science-Four credits from at least three different science disciplines. Examples: Earth Science, Biology I, Chemistry, Physics.

History & Social Sciences-The four courses must include World Civilization I & II, US History, and US Government. A Virtual AP course may replace World Civ. II.

Foreign Language-At least three credits with three years of one language or two years each of two languages.

Student Selected Test- The student selected tests for verified units may come from any end-of-course SOL test that is not already used as a verified unit.

RECOMMENDED COURSES FOR THE ADVANCED STUDIES DIPLOMA

Grade 9/English 9 Advanced
 World Civilization
 Health and Physical Education 9
 Math
 Earth Science (or Honors Earth Science)
 Foreign Language

Grade 10/English 10 Advanced
 Math
 Biology (or Honors Biology)
 World Civilization II
 Foreign Language
 Health and Physical Education

Grade 11/English 11 (Advanced)
 Math
 Chemistry (or Honors Chemistry)
 Foreign Language
 U.S. History (or AP U.S History)
 _____ (fine/practical
 elective)

Grade 12/English 12 (Advanced or AP)
 Math
 Physics (or Honors Physics)
 U.S. Government (or AP U.S. Govt.)
 _____ (elective)
 _____ (elective)

The freshmen class entering 2010-2011 (graduating 2013-2014) is subject to new graduation criteria as follows:

Standard Diploma
 (graduating class of 2013-2014)

<u>Discipline Area</u>	<u>Credits</u>	<u>Verified Credits</u>
English	4	2
Math*	3	1
Science*	3	1
Social Studies*	3	1
Health & PE	2	0
Foreign Lang., Fine Arts or Career Tech.	2	0
Economics and Personal Finance	1	0
Electives*	4	0
Student Selected Test*	-	1
Total	22	6

*See Special Provisions

Special Provisions for Standard Diploma

Mathematics - Courses completed to satisfy this requirement shall include at least two different course

selections from among: Algebra I, Geometry, Alg., Functions, & Data Analysis, Algebra II, or other mathematics courses above the level of Algebra II.
Laboratory Science-Three courses from at least two different science disciplines. Examples: Earth Science, Biology I, Biology II; or, Earth Science, Biology I, Chemistry.

History & Social Sciences-The three courses must include World Civilizations I, US History, and US Government.

Electives- Two sequential electives are required.

Student Selected Tests-The student selected tests for verified units may come from any end-of-course SOL test that is not already used as a verified unit.

RECOMMENDED COURSES FOR THE STANDARD DIPLOMA

(graduating class of 2013-2014)

Grade 9/English 9

- Math
- Earth Science
- World Civilization I
- Health and Physical Education 9
- _____ (foreign language, fine art, or career/tech. elective)

Grade 10/English 10

- Math
- Biology
- Health and Physical Education 10
- _____ (foreign language, fine art, or career/tech. elective)
- _____ (elective)

Grade 11/English 11

- U. S. History
- Science
- Math
- Personal Finance
- _____ (elective)

Grade 12/English 12

- Government
- _____ (elective)
- _____ (elective)
- _____ (elective)
- _____ (elective)

Standard Technical Diploma
 (Graduating class of 2013-2014)

<u>Discipline Area</u>	<u>Credits</u>	<u>Verified Credits</u>
English	4	2
Math*	3	1
Science*	3	1
Social Studies*	3	1
Health & PE	2	0
Fine Arts or Foreign Lang.	1	0
Economics and Personal Finance	1	0

Career and Technical Ed.	4	0
Electives	1	0
Student Selected Test		1
Total	22	6

*See Special Provisions

Special Provisions for Standard Technical Diploma

Mathematics - Courses to satisfy this requirement shall include at least three different courses selections from among: Algebra I, Geometry, Alg., Functions, & Data Analysis, or Algebra II or mathematics courses above the level of Algebra II.

Laboratory Science-Three courses from at least two different science disciplines. Examples: Earth Science, Biology I, Biology II; or, Earth Science, Biology I, Chemistry.

History & Social Sciences-The three courses must include World Civilizations I, US History, and US Government.

Student Selected Tests-The student selected tests for verified units may come from any end-of-course SOL test that is not already used as a verified unit.

RECOMMENDED COURSES FOR THE STANDARD TECHNICAL DIPLOMA

(graduating class of 2013-2014)

Grade 9/English 9

- Math
- Earth Science
- World Civilization I
- Health and Physical Education 9
- _____ (fine art or foreign language elective)

Grade 10/English 10

- Math
- Biology
- Health and Physical Education 10
- _____ (career/tech. elective)
- _____ (elective)

Grade 11/English 11

- U. S. History
- Science
- Math
- Personal Finance
- _____ (career/tech. elective)

Grade 12/English 12

- U.S. Government
- _____ (career/tech. elective)
- _____ (career/tech. elective)
- _____ (elective)
- _____ (elective)

Advanced Studies Diploma
(graduating class of 2013-2014)

<u>Discipline Area</u>	<u>Credits</u>	<u>Verified Units</u>
English	4	2
Math*	4	2
Science*	4	2
Social Studies*	4	2
Foreign Language*	3	0
Health & PE	2	0
Fine Arts or Career & Technical Educ.	1	0
Economics and Personal Finance	1	0
Electives	3	0
Students Selected Test*		1
Total	26	9

*See Special Provisions

Special Provisions for Advanced Studies Diploma

Mathematics – 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.

Laboratory Science-Four credits from at least three different science disciplines. Examples: Earth Science, Biology I, Chemistry, Physics.

History & Social Sciences-The four courses must include World Civilization I & II, US History, and US Government. A Virtual AP course may replace World Civ. II.

Foreign Language-At least three credits with three years of one language or two years each of two languages.

Student Selected Test-The student selected tests for verified units may come from any end-of-course SOL test that is not already used as a verified unit.

**RECOMMENDED COURSES FOR THE
ADVANCED STUDIES DIPLOMA**

(Graduating class of 2013-2014)

Grade 9/English 9 Advanced

- World Civilization
- Health and Physical Education 9
- Math
- Earth Science (or Honors Earth Science)
- Foreign Language

Grade 10/English 10 Advanced

- Math
- Biology (or Honors Biology)
- World Civilization II
- Foreign Language
- Health and Physical Education

Grade 11/English 11 (Advanced)

- Math
- Chemistry (or Honors Chemistry)
- Foreign Language
- U.S. History (or AP U.S History)
- Personal Finance
- _____ (fine art,
career/tech. elective)

Grade 12/English 12 (Advanced or AP)

- Math
- Physics (or Honors Physics)
- Foreign Language
- U.S. Government (or AP U.S. Govt.)
- _____ (elective)
- _____ (elective)
- _____ (elective)

Advanced Technical Diploma
(graduating class of 2013-2014)

<u>Discipline Area</u>	<u>Credits</u>	<u>Verified Credits</u>
English	4	2
Math*	4	2
Science*	4	2
Social Studies*	4	2
Foreign Language*	3	0
Health & PE	2	0
Economics and Personal Finance	1	0
Fine Arts or Career & Technical Educ.	1	0
Career and Technical Education	3	0
Student Selected Test*		1
Total	26	9

*See Special Provisions

Special Provisions for Advanced Studies Diploma

Mathematics – 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.

Laboratory Science-Four credits from at least three different science disciplines. Examples: Earth Science, Biology I, Chemistry, Physics.

History & Social Sciences-The four courses must include World Civilization I & II, US History, and US Government. A Virtual AP course may replace World Civ. II.

Foreign Language-At least three credits with three years of one language or two years each of two languages.

Student Selected Test- At least three credits with three years of one language or two years each of two languages.

RECOMMENDED COURSES FOR THE ADVANCED STUDIES TECHNICAL DIPLOMA

(Graduating class of 2013-2014)

Grade 9/English 9 Advanced

World Civilization
Health and Physical Education 9
Math
Earth Science (or Honors Earth Science)
Foreign Language

Grade 10/English 10 Advanced

Math
Biology (or Honors Biology)
World Civilization II
Foreign Language
Health and Physical Education

Grade 11/English 11 (Advanced)

Math
Chemistry (or Honors Chemistry)
Foreign Language
U.S. History (or AP U.S. History)
Personal Finance
_____ (career/tech.
elective)

Grade 12/English 12 (Advanced or AP)

Math
Physics (or Honors Physics)
Foreign Language
U.S. Government (or AP U.S. Govt.)
_____ (fine art elective)
_____ (career/tech.
elective)
_____ (career/tech.
elective)

SCHEDULE CHANGES

Students are expected to carefully select their courses and to follow their selections. In special situations, individual requests for changes will be reviewed.

Changes will not be made if the result causes the maximum class size to be exceeded or causes class sizes to become unbalanced. Students will not be permitted to change a class after school has been in session for two weeks without the principal's approval.

Requests from students or their parents for a change in teachers cannot be allowed since such changes involve teaching loads and schedules. However, students who need to change the level of difficulty of a course may do so if a course is available and with written permission from the parent. Final approval of all schedule changes rests with the principal.

SCHOOL/PARENT COMMUNICATION ON STUDENT PROGRESS

Parents are provided written information concerning student progress throughout the school year. The school year is divided into six sessions. Students receive report cards each six weeks with the final report card being mailed home at the end of the year. Interim reports are sent home in the middle of each grading session to students who are performing below average. Parents are encouraged to access Powerschool at <http://schinfo.rcps.org/public/> on the web for class and homework information. Additionally, numerous opportunities for parent/teacher dialogue are available through conferences and telephone contacts. For convenience, appointments are recommended. Teacher email addresses are found on our school web site at www.rcps.org/rhs

SENIOR YEAR PLUS

Senior Year Plus is a program offered by the Virginia State Department of Education for students to earn college credits during high school. The two programs offered are Virtual Virginia AP and Early College Scholars. Virtual Virginia AP School provides a variety of college-level AP courses, enabling Virginia students to earn college credit. Students taking Virtual AP courses for free must agree to become Early College Scholars and meet the requirements for the program. The optional AP test is free for Virtual AP students. Awarding of college credit is determined by the college after the AP test scores are received. The courses are offered through the Virginia Satellite Education Network (VSEN) and/or APEX by College Board AP online. Early College Scholars receive a certificate from the Governor. To qualify, a student must:

- Have a "B" average or better;
- Be pursuing an Advanced Studies Diploma;
- Earn at least 15 transferable college credits while enrolled in high school by completing dual enrollment/dual credit courses and earning a "C" or better, scoring a "3" or higher on the AP examinations, earning college credits by passing College Level Examination Program (CLEP) examinations, completing college-level courses and documenting credit awarded.
- All ECS and their parents must sign a form agreeing to these terms

The first step to becoming an Early College Scholar or enrolling in the Virtual Virginia AP School is to meet with your guidance counselor. Any student taking at least two AP/Dual Enrollment courses and who plans to take the AP examinations can become an Early College Scholar. Interested students should see a counselor. More information about the programs is available at www.penk12.va.us, or see a guidance counselor for more information.

SOUTHWEST VIRGINIA GOVERNOR'S SCHOOL

Radford City Schools participates in the Southwest Virginia Governor's School in Pulaski. Current tenth graders may apply, and qualified candidates will possess outstanding grades in honors science and advanced math courses, high test on school administered nationally-normed test, and the PSAT, and excellent teacher recommendations. Students must commit to attend the half-day academic-year governor's school during both junior and senior years at RHS. The number of qualified applicants selected to attend is determined by available School Board funding. Applications will be available from the gifted program coordinator in January.

JUMP START

Radford High School partners with New River Community College to offer students a jump start on their career path. This program allows high school students to earn credits toward their high school diploma while earning college credit taking classes at NRCC. Selected classes will be offered at no cost to qualified students. Classes are offered during the school day and evenings. Transportation is the responsibility of the parent/guardian.

STANDARDS OF LEARNING

The State of Virginia has established a set of K-12 subject-area Standards of Learning (SOL) with corresponding end-of-course SOL tests. All high school students enrolled in applicable high school credit-bearing courses are required to take the corresponding end-of-course tests. Presently, SOL tests are administered for Algebra I, Geometry, Algebra II, Earth Science, Biology I, Chemistry, World Civ I, World Civ II, U. S. and Virginia History, and two tests in English 11 (Reading/Literature/Research and Writing). Remediation and retest opportunities will be provided for students failing one or more SOL tests.

SUMMER SCHOOL

Summer school is operated each summer for making up failed subjects and for taking new subjects. Summer School will be offered if funds are available. Additional information is available in the guidance office in May.

TRANSFERS

Students transferring into Radford High School will have their grades from a previous high school (s) weighted in accordance with Radford High School's grade weighting policy. Total credits required for graduation will not change for transfer students; however, SOL verified credits requirements will vary according to state guidelines. Counselors will assist transfer students with graduation requirements.

VHSL ELIGIBILITY FOR ACTIVITIES

To be eligible to participate in sports, cheerleading, and other performance-related activities sponsored by the Virginia High School League, the student must meet the following requirements:

- Must be a legal student in good standing with the school.
- Must be promoted to the ninth grade (eighth-grade students may be eligible for junior varsity competition).
- Must be enrolled no later than the fifteenth day of the current semester.
- Must have passed at least five credit subjects the immediately preceding semester and must be currently taking not fewer than five credit subjects for participation during the second semester. A previously passed credit, if repeated, may not be used to satisfy the requirements of this rule.
- Must not reach his or her nineteenth birthday on or before the first of August of the current school year.
- Must not, after entering the ninth grade for the first time, have been enrolled in or have been eligible for enrollment in high school more than eight consecutive semesters.
- Must submit to the principal, before practicing, trying out, or becoming a member of any school athletic team, an Athletic Participation/Parental Consent/Physical Examination Form that is complete and properly signed. The form attests that the student has been examined during this school year, found to be physically fit for athletic competition, and that his or her parents consent to participation.

Eligibility to participate in interscholastic athletics is a privilege earned by meeting not only the above listed minimum standards, but also all other standards set by the VHSL, district, and school. Students or parents who have any questions regarding eligibility or who are in doubt about the effect an activity might have on eligibility should check with the principal or director of athletics who are aware of the various interpretations and exceptions provided under VHSL rules.

SERVICES FOR THE BOBCATS

SPECIAL EDUCATION SERVICES

Special education programs are offered for students who have been found to have a disability that requires special education and related services. An Individualized Educational Plan (IEP) is designed to meet the emotional, academic and physical needs of each eligible student. Modified Standard and IEP Diplomas may be offered for students who qualify.

SERVICES FOR GIFTED STUDENTS

Services provided to gifted students at RHS include identification and placement, differentiation within the regular classroom, acceleration, enrichment opportunities, and one-on-one counseling. The student is identified and placed in one of four academic areas, and/or in visual arts. Each student has on file a plan for academic progress that documents opportunities based on a program of individualization, differentiation, and challenge. Advanced Placement, Dual Enrollment, and Honors classes are offered. Students also may design their own independent study course, which is taught by a mentor and advised by the gifted coordinator. The secondary gifted program is based on Radford City's *Plan for Gifted Education*, which is on file in the gifted office, and available on-line at <http://www.rcps.org/dis/gifted/gifted.htm>.

GUIDANCE SERVICES

Career, academic, and personal guidance and counseling are available for all students. Counselors work closely with students, individually and in groups, to help them realize their strengths and to help them work toward realizing their educational and career goals. The guidance services include counseling, consultation, assessment, information services, placement and coordination. There are two guidance counselors. Mr. Cormany serves grades 9 and 10, and Mrs. Webster serves grades 11 and 12.

HEALTH SERVICES

Emergencies are handled through the main office. Students with health issues or medication needs should report to the main office.

TUTORIAL SERVICES

Help is available from teachers. Teachers are available in their classrooms before school (8:00 a.m. – 8:15 a.m.) and after school (2:35 p.m. – 3:00 p.m.) each day for individual assistance. Additional tutoring is available from certified teachers before and after school hours. Parents and students may request these tutoring services through the guidance office.

EXCHANGE PROGRAM

Radford High School supports exchange student programs. Contact RHS for questions.

REMEDATION SERVICES

Remediation in the areas of reading, writing, and mathematics is provided for students who score in the lower quartile on their most recent achievement tests. Faculty members provide this remediation.

COLLEGE ENTRANCE EXAMINATIONS

PSAT – Preliminary Scholastic Assessment Test
Grades 10 and 11

PSAT measures verbal and math reasoning skills and writing skills. This test is administered only in October. The cost of the test is approximately \$15.00.

Students who need fee waivers to take the test should talk with their counselors before October.

Tenth grade students benefit from practice in taking the test and can identify academic strengths and weaknesses while they have time to work to improve their scores. Tenth graders applying to SWVGS (Southwest Virginia Governor's School) must take the PSAT.

Eleventh grade students can see their progress from the previous year and enter special scholarship competitions such as the National Merit Scholarship Qualifying Test.

PSAT measures verbal and math reasoning skills and writing skills. This test is administered only in October. The cost of the test is approximately \$15.00. Students who need fee waivers to take the test should talk with their counselors before October.

SAT I - Reasoning Test Grades 11 and 12

Eleventh and twelfth grade students should take the SAT I which measures Critical Reading, Math, and Writing skills. A student should begin taking the test during the spring of the eleventh grade and may repeat the test several times. Most colleges use the highest Critical Reading, Math, and Writing scores obtained, even if the three scores were earned on separate days. Each section of the SAT I will be scored on a 200-800 scale with a total perfect score of 2400 on all three sections. The tests are given seven times each year in our geographic region. Students must register about six weeks in advance of the test and can do so on-line or by mail. Registration bulletins for the test are available in the guidance office. On-line registration simplifies re-testing, obtaining scores, or changing test dates. **Students who need fee waivers should talk with their guidance counselors.** Several practice tests are available on the SAT website at www.collegeboard.com. We highly recommend using the website. You must register as a Radford High School student by using the **Radford High School test code-471815**.

SAT II– Subject Tests Grades 11 and 12

SAT II measures students' knowledge and skills in a particular subject and their ability to apply that knowledge. Tests are offered in many subjects. The tests should be taken toward the end of the completion of a subject. For example, if a student is completing Chemistry in grade 11, he/she should take the SAT II test in Chemistry in the spring of the eleventh grade. Not all colleges require SAT II tests. Generally, the most competitive colleges request that students take SAT II tests. Check for SAT II requirements with the college before you apply. Students may register for up to three tests in one day. The tests are given on the same dates as certain SAT I tests. Registration

materials are available in the guidance office and online at www.collegeboard.com.

ACT – American College Test Grades 11 and 12

The ACT Assessment is accepted by most colleges and is more popular than the SAT in many states. Colleges usually accept either SAT I or ACT scores. There is no penalty for guessing on the ACT which measures academic achievement in English, mathematics, reading (with a Social Studies sub score), and science. The ACT also has an **optional** Writing section. To save money, you may want to take the Writing test the first time and then opt out of it on later repeats of the test. If you have already taken the SAT, you do not have to take the writing portion of the ACT. Some competitive colleges accept ACT scores in place of the SAT II subject tests. Check with specific colleges to learn which they prefer. Registration materials and study guides are available in the guidance office. You may register online at www.act.org where you will find information and practice tests. The ACT is given six times annually and the closest test centers are usually in Roanoke. Use the same **Radford High School test code of 471815**.

TOEFL – Test of English as a Foreign Language
Measures a student's ability to read, write, and understand English. Students who are applying to college and for whom English is a second language can demonstrate their ability to use English. Some colleges require this test for second language speakers. Some colleges will accept the SAT-II English as a Second Language test instead of the TOEFL.

ACADEMIC COURSE DESCRIPTIONS

Following are brief descriptions of the courses offered at Radford High School. More detailed descriptions may be obtained from each department. Electives offered in a given year depend upon the resources of the high school and the interest of the students.

ENGLISH

Students may not drop from Advanced English to Regular English after the completion of the 2nd marking period.

English 9

This course introduces the new high school student to further studies in vocabulary, writing techniques, and correct grammar usage. Literature studies include the short story, poetry, Greek mythology, nonfiction, the novel, as well as Greek, Shakespearean, and modern drama. Students will give both formal and informal oral presentations and will produce a short research paper.

English 9 Advanced

This course is designed for those in-coming ninth graders who have been identified as needing an accelerated curriculum. The course of study includes advanced vocabulary, more sophisticated writing techniques, and a review of correct grammar usage.

Literature studies include the short story, poetry, Greek mythology, nonfiction, the novel, as well as Greek, Shakespearean, and modern drama. There is an emphasis on independent work and critical thinking. Students will give both formal and informal oral presentations and will produce a short research paper.

English 10

This course reviews basic grammar and correct usage and continues the study of vocabulary. Students practice organization and development skills in paragraphs and short essays, as well as doing a research paper. Literature studies include the short story, poetry, drama, the novel, and non-fiction prose.

English 10 Advanced

This course is designed for those students who have successfully completed English 9 advanced or have been designated by their English teachers as being capable of doing advanced work. The course will include a review of basic grammar and correct usage and vocabulary study. Students will also develop their writing techniques and complete a research paper. Literature studies will include the short story poetry, drama, the novel, and non-fiction prose. The course emphasizes independent student work, critical thinking, and additional enrichment activities.

English 11

This course provides a survey of American literature, including the major authors of prose, poetry, and drama. Student reading will also include a variety of non-literary materials. Persuasion will be emphasized in oral presentations and in student writing. Other writing assignments will include business correspondence, a research paper, and various other forms.

English 11 Advanced

This course is designed for students who have mastered the fundamentals of basic grammar and written expression but who need to develop facility in various types of writing, to polish individual styles, and to enrich vocabularies. The course also provides a survey of American literature and will require the same oral presentations and writing as English 11. Students will cover regular material more rapidly, leaving time for additional enrichment and deeper critical thinking activities.

English 12

This course provides a literary survey of English and world authors as well as a variety of other printed materials; emphasis will be placed on effective written and oral expression, including a documented research paper.

NRCC Dual Enrollment English 12

English 111 (1st semester, 3 college credits) & English 112 (2nd semester, 3 college credits)

Grade Level: 12 (replaces English 12 Advanced)

Develops writing ability for study, work, and other areas of writing based on experience, observation, research, and reading of selected literature. Guides students in learning writing as a process: understanding audience and purpose, exploring ideas and information, composing, revising

and editing. Supports writing by integrating, composing, revising, and editing, as well as by integrating experiences in thinking, reading, listening, and speaking.

English 12 Advanced Placement

English 12 Advanced Placement, a college level composition and literature class, is for those students who read and write beyond grade level and are willing to commit to a rigorous program of study. The class focuses on literature and composition, emphasizing analysis of poetry, prose, and drama from the seventeenth century to the present. While we will cover the basic content of senior English, such as the standards of learning, a history of English literature, and oral presentations, the goal of the course is to develop writing and analytical skills, the ability not only to understand what a poem or story means, but also how the language creates that meaning. To this end, we will study literary forms, narrative structures, and poetic devices in great detail. We will read broadly, deeply, accurately, and quickly from a variety of authors. We will write much and write often, in a variety of forms. Students enrolled in the course should consider taking the course's AP Exam at the end of the year. Most colleges give English credit hours to students who score well on the exam. To enroll in the class, students completing junior English need to contact the AP English teacher, who will then collect information such as standardized test scores, past grades, teacher recommendations, and a writing sample. Based on objective criteria, the student will be counseled as to the appropriateness of that class as part of his/her curriculum.

Creative Writing

Creative writing is a course that will focus on the study and composition of short stories, plays, personal experience essays, and various types of poetry. Students will enhance their writing skills as they develop original works and take them through the writing process. Each student will build a portfolio of polished pieces suitable for publication or submission to colleges as writing samples. Students will be encouraged to submit their work for possible publication in literary journals and magazines and to enter contests such as the VHSL creative writing championships. They will also design and publish *The Raven's Nest*, the high school literary magazine. Enrollment is limited with preference given to upperclassmen. Students must have a B average in English. This elective course will not replace an English credit for graduation.

Drama -Theatre Arts

Prerequisite: Essay written by the student describing his/her theatre experience and reason for taking the course and 1-2 minute audition (may be any dramatic reading).

Students taking theatre arts will explore theatre appreciation and history. They will learn

specialized vocabulary. They will experience acting exercises and improvisation. Students will develop rehearsal discipline and explore basic set design, set construction, lighting, costuming, and sound. Students will participate in live performance. This elective course will not replace an English credit for graduation.

FOREIGN LANGUAGE

Any student who elects to enter a foreign language program must have a strong background in English grammar. A minimum average of "C" in the last English course completed is the prerequisite for all first year foreign language courses.

French III

Prerequisite: At least an 84 average in French II

This course is designed to give intensive practice in the four skills and includes continued development of grammar principles. To improve writing skills, students keep journals. Activities continue to develop a cultural awareness of the French-speaking people through paperback books, videos, television programs, and guest speakers. At the end of the year students read Le Petit Prince.

Spanish I

The course is designed to help the student learn basic elementary Spanish. The listening and speaking skills are presented gradually until the four skills (listening, reading, writing, and speaking) begin to come together. Some cultural aspects are presented through the use of various media.

Spanish II

Prerequisite: At least an 83 average in Spanish I

This course stresses all four of the basic language skills. The formal study of grammar becomes more intense and more difficult. Conversational and reading skills are stressed. Various media are used to broaden the student's insights into the culture of the Spanish speaking world.

Spanish III

Prerequisite: At least an 83 average in Spanish II

This course introduces the student to finite grammar concepts and includes a thorough review of the first two years of Spanish grammar followed by increased practice of the four skills. Original composition in the language, both verbal and written is stressed.

Spanish IV

Prerequisite: At least a "B" average in Spanish III

This course includes a comprehensive review of Spanish grammar, including introduction to finite and advance concepts of structure. The geography, history, literature and arts of Spanish-speaking countries are studied with reading materials in the

language. The student must be capable of making predominant use of the language in the classroom.

Additional Foreign Languages offered through Virtual Virginia. See page 19 for more information.

HEALTH AND PHYSICAL EDUCATION

Health and Physical Education 9

Emphasis is placed on basic skills, a combination of physical activities and physical fitness coupled with basic knowledge for healthful and safe living. Some activities offered include flag football, soccer, tennis, wrestling, basketball, dance, volleyball, and individual and dual sports activities. Health instruction includes first aid and CPR, prevention and control of diseases, consumer health, environmental health, and family life education. There are dress and participation requirements.

Health and Physical Education 10

Prerequisite: Health and Physical Education 9

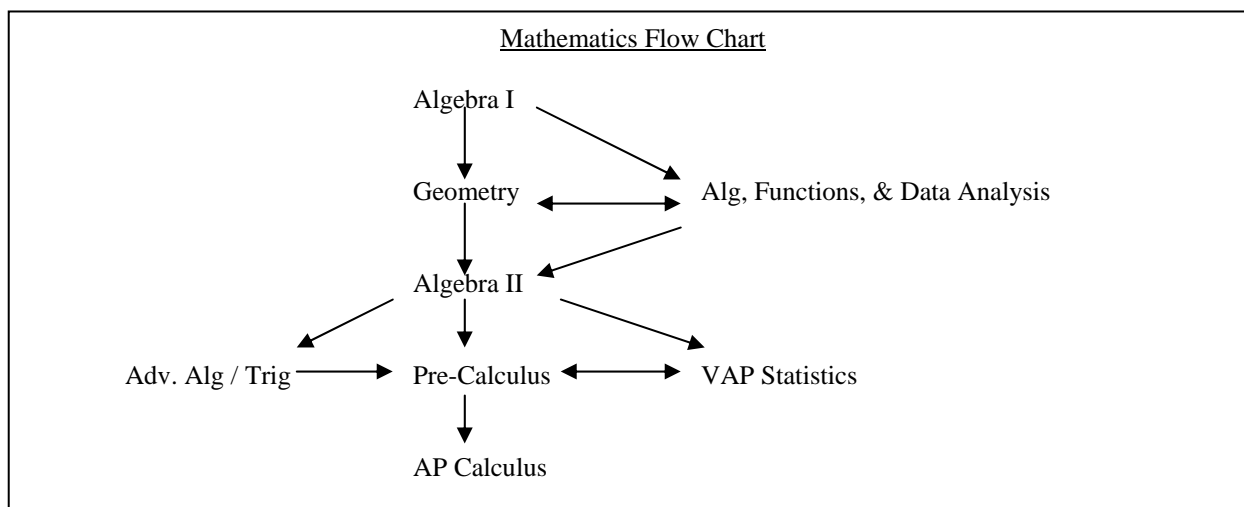
Team and individual sports and recreational activities at this grade level. Some activities included are touch or flag football, speedball, volleyball, basketball, track and field, archery, bowling, golf, cosom hockey, soccer, softball, indoor recreational games and outdoor recreational activities. In health at this level, emphasis is placed on the individual, how he lives in society and on family life education and mental health. Driver education classroom instruction is included. There are dress and participation requirements.

Advanced Health and Recreational Activities.

Prerequisite: This course is considered an Advanced Level course and students will be expected to meet higher standards than previous physical education classes.

The class is designed to provide the basis for a lifetime of physical fitness. In addition, it provides a solid foundation for athletic improvement and development. The class will be composed of strength training, speed/agility drills and flexibility/conditioning exercises. A VHSL physical is required for participation.

MATHEMATICS



Algebra I, Part II

Prerequisite: Alg. I, Part I

It covers the material normally taught in the second semester of Algebra I. This allows time for extra practice and review with the intent to develop sound skills in equation formation, equation solving, simplifying expressions, and the laws of exponents.

Algebra I

Rising eighth graders should take Algebra I only if they have a “B” or better in 7th grade math and have the recommendation of their teacher.

Algebra I introduces variables and their abstract application in the areas of applied problems. Topics include fundamental algebraic language, the real number system, equations and inequalities, polynomials, factoring, graphing, linear equations, rational expressions, radicals and quadratics.

Algebra, Functions, and Data Analysis

Prerequisite: Algebra I

This course will assist students in building more advanced mathematical foundations in preparation for higher level mathematics coursework. Students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance.

Geometry

Prerequisite: Recommendation of “C” or better in Algebra I.

Geometry is a formal approach to logical reasoning. It uses algebra and arithmetic skills along

with the study of size, shape, position, and other properties of the objects around us. Students learn how to organize their thinking in order to generalize and to think abstractly.

Algebra II

Prerequisite: Algebra I and Geometry with a grade of “C” or better recommended.

The Mathematics Department strongly feels that students should not take Algebra II without Geometry. Topics include the real number system, linear inequalities, relations and functions, the quadratic formula, and sequences and series.

Advanced Algebra and Trigonometry

Prerequisite: Algebra I, Geometry and Algebra II, with grades of “C” or better recommended.

Students who took Algebra II as a junior should take Adv. Alg. /Trig. as a senior. Students who took Algebra II as a sophomore should consider one of the following two paths: Adv. Alg. /Trig. followed by Pre-Calculus, or Pre Calculus followed by AP Calculus.

This class covers topics such as matrices, trigonometric functions, theory of equations, sequences and series, mathematical induction, binomial theorem, probability and statistics, logarithms, and logic. This course is designed for college bound students who wish to take another math course other than pre-calculus.

Pre-Calculus – Honors

Prerequisite: Algebra I, Geometry, Algebra II with at least a “B” average in Algebra II recommended.

Students who took Algebra II as juniors should take Adv. Alg. /Trig. as a senior unless recommendations have been provided by both the Algebra II and Pre-Calculus teachers. Students who took Algebra II as sophomores should consider one of the following two

paths Adv. Alg. /Trig. followed by Pre-Calculus, or Pre Calculus followed by AP Calculus.

This course covers polynomial functions, rational functions, exponential and logarithmic functions, trigonometric functions, conics, and complex numbers.

Advanced Placement Calculus:

Prerequisite: Pre-Calculus with trigonometry with a grade of “B” or better recommended.

This course is a rigorous study of the intuitional and theoretical concepts of calculus and its applications. It completes the study of differential calculus, and introduces the theory of integral calculus as applied to the computation of area, volume and natural logarithms.

Virtual Advanced Placement Statistics

Prerequisite: Completion of Algebra II with an “A” average or pre-calculus.

This is a college-level, non-calculus-based course in introductory statistics. The syllabus includes I. Exploring data: observing patterns and departures from patterns. II. Planning a study: deciding what or how to measure. III. Anticipating patterns in advance: introducing probability and simulation. IV. Statistical inference: confirming models. There will be several “special problems” investigations that culminate in a written report like a short term paper. Students will be expected to own or have access to a graphing calculator and computer.

SCIENCE

Honors classes at each grade level are provided for students who enjoy science, are willing to do extra work, have a natural curiosity in the fields of science, and have been successful in previous science courses. To enroll in Honors courses, a student needs to have demonstrated academic achievement, score in the upper quartile in science on the most recent achievement tests, and have earned at least a “B” on the last science course taken.

Earth Science

This laboratory course combines the study of geology, meteorology, oceanography, and astronomy in one course in which the nature of the earth and its place in the universe are presented.

Honors Earth Science

This course is an accelerated and compacted lab science emphasizing the relationship of the physical sciences to the environment. The major fields are astronomy, geology, meteorology, and oceanography along with field studies. Inquiry skills, research methodology, data collection and analysis are emphasized.

Biology

History of biological investigations, the chemistry of life, ecology, ecosystems and communities, populations, cell structure and function, photosynthesis and respiration, cell growth and division, DNA, genetics and evolution are major topics addressed in this introduction to biological science. Laboratory investigations, field trips, and research supplement text materials.

Honors Biology

Honors biology is an accelerated course in biological sciences. History of biological investigations, the chemistry of life, ecology, ecosystems and communities, populations, cell structure and function, photosynthesis and respiration, cell growth and division, DNA, genetics and evolution are major topics addressed in greater detail than in the non-honors class. Laboratory investigations, field trips, and research supplement text materials. Extensive research laboratory reports are required.

Biology II

Prerequisite: Successful Completion of Biology

This interdisciplinary course is built around the biological and chemical monitoring of Connelly’s Run stream and a detailed study of its watershed. Students should be prepared for “hands-on” outdoor laboratory experiences including frequent visits to the stream in Wildwood Park. Special topics and projects will be included each year depending on student interest and biological issues of local or national significance. Biology is a necessary prerequisite for this class.

Chemistry

Prerequisite: Either completion of Algebra I with a grade of “B” or better or the permission of the instructor.

Chemistry is a laboratory science that involves the study of matter and the changes it undergoes. Special topics include measurement (metrics), scientific method, atomic theory, the periodic law, chemical bonding, stoichiometry, gas laws, oxidation-reduction, and acids and bases.

Honors Chemistry

Prerequisite: Completion of Algebra I with at least a “B” average or the permission of the instructor.

This course is an accelerated course in the study of the structure and properties of matter for students with an exceptional ability and the desire for a science course of greater complexity. General chemistry topics are addressed with emphasis on critical, independent thought, research, and exploration.

Advanced Placement Chemistry

Advanced Placement Chemistry is a college-level, second year course designed for students who have both strong interest and strong ability in chemistry. The class meets five times per week in 55

minute sessions, and an additional weekly 25-minute session outside of class time for lab and problem sessions in mandatory. The schedules of students in extracurricular activities will be accommodated. A grade of 87 in Honors Chemistry or grade of 90 in Chemistry is a prerequisite for this course. Students should estimate spending at least five hours or more per week in individual study.

Physics

Physics is a laboratory science that involves the study of relationships between matter and energy. Topics include mechanics (motion), acoustics (sound), optics (light), electricity, magnetism, and modern atomic theory. Emphasis is placed on the applications of theory to real world applications. A solid mathematical background is essential (Algebra I through Algebra II or trigonometry). Completion of chemistry is preferred, although not required.

Honors Physics

Honors physics is an accelerated course that emphasizes the application of mathematical concepts to models in the physical world. The course employs data collection and analysis, mathematical modeling, traditional lecture, and individual research. Completion of chemistry is preferred, although not required.

NRCC Dual Enrollment Geology

Geology 105 (1st semester, 4 college credits) & Geology 106 (2nd semester 4 college credits)
Grade Level: 11 or 12

Topics include Physical, Historical, and Environmental Geology. Study about the sciences that examine the Earth and the processes which shape it including plate tectonics, volcanism, and earthquakes. Environmental Geology studies the relationship between humans and their geological environmental hazards, natural resources, and environmental issues.

Science Lab Assistant/Animal Care Specialist

This course provides the students with the opportunity to work closely with members of the Science Department in a variety of capacities. The course is similar to an independent study in that the student must be self motivated, reliable, and have the ability to work alone. Their duties/assignments may include: animal care, sample collection from Wildwood Park, Lab prep and clean-up, inventory of equipment, research, web design, and/or equipment testing and maintenance. Only one student per period will be enrolled in the course. Criteria for admission to the Lab Assistant/Animal Care Specialist Course include:

1. Teacher recommendation
2. Completion of essay
3. Completion of course application
4. Ability to work alone
5. Parental approval and support

SOCIAL STUDIES

World Civilization I

This course focuses on a study of World History from prehistoric time to 1500 AD. Geographic influences will be explored as they relate to the chronology of history. Emphasis is on early man and his relationship to his environment. Students will study the ancient river civilizations of Asia and Africa and their contributions to society including religion, language, writing, weapons, and tools. The use of maps, charts, pictures, graphs, diagrams, texts, and technology skills are stressed, as is competence in chronological thinking.

World Civilization II

Prerequisite: Teacher Recommendation

This course will focus on the study of World History from 1500 AD to the present with an emphasis on Western Europe. Geographic influences will be explored as they relate to the chronology of history as the framework with an emphasis on how people are influenced by their physical and ecological environments. Increasing attention will be given to political boundaries that developed with the evolution of nation-states into the 21st century. Geography concepts will be linked to history with concentration given to ways scientific and technological revolutions created social and political change.

Virginia and United States History

This course is a survey of the history of the United States from the colonial period to the present. The course follows a chronological approach incorporating current issues with historical events. Important political, social, and economic concepts are studied.

Advanced Placement United States History

Prerequisite: Teacher Recommendation

This course presents a study of US History from the colonial era to the Clinton era in detail. It is arranged in a chronological order covering political, economic, social, military, international, and religious eras of U.S. history. Advanced Placement will involve more work than a survey course as texts, assignments, readings, and tests will be on the university level (freshmen). Students at the end of the year will be able to take a national comprehensive examination which will be used for credits, admissions, and entrance into honors programs. Not considered a gifted class, students should meet the demanding requirements of regular assignments, individual discipline, library and writing skills, as well as the ability for analysis and interpretation of primary and secondary materials.

The simple knowledge of facts will not suffice as an understanding of the meanings of these facts is absolutely necessary for the many writing requirements of this class as well as the year end comprehensive national examination.

Criteria for admission to AP History are the following:

1. Commitment to academic achievement
2. Average of “B” or better in all previous high school social studies courses
3. Teacher recommendation
4. Understanding and acceptance of the time requirement of the course
5. Parental approval and support
6. Essay required
7. Evaluation of Standardized Test Scores
8. Teacher Interview

Virginia and United States Government

This course surveys the basic principles of American Government, emphasizing the structure, function, and operation of government at the local, state, and national levels utilizing current political trends and events. This course also includes a study of comparative economic and political systems.

Advanced Placement United States Government and Politics

Prerequisite: Teacher Recommendation

The advanced placement program in government and politics is designed for academically talented students who are not only college bound but who are motivated and capable of handling a college course in high school. Students should expect a rigorous and fast-paced program of reading, writing, and in-depth analysis of the American political system. The AP Exam is offered in May and students are strongly urged to take the exam. Criteria for admission to AP Government are the following:

1. Commitment to academic achievement
2. Completion of AP U.S. History or a grade of “A” in Virginia/U.S. History & W. Civilization II
3. Teacher recommendation
4. Understanding and acceptance of the time requirement of the course
5. Parental approval and support
6. Essay required
7. A teacher interview
8. Evaluation of Standardized Test Scores

Comparative Religion

This course is offered in alternating years. Comparative Religion is an elective social studies course offered to students in grades 10-12. In this course the students develop the background necessary for an appreciation of the basic beliefs and practices of the world’s religions. Importance is placed on historical origins as well as current beliefs. Students will study Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, Taoism, and other belief systems. This is an elective course and will not replace a social studies credit for graduation.

Minority Studies in American History

This course is offered in alternating years. Minority Studies in American History is an elective social studies course offered to students in grades 10-12. The course focuses on various minority groups (Asian-Americans, Latino-Americans, Euro-Americans, Native Americans, African Americans, Mid-Eastern Americans) and their roles in American history, both in relation to the unique contributions of key individuals and the impact of overall cultural assimilation on the development of a pluralistic American society. The course will examine specific cultural characteristics—such as religious practices, customs, traditions, and values—in relation to their impact on American culture. Students will discuss emigration patterns and the experiences of cultural assimilation. Course work will include out-of-class readings, projects, and papers. Students will hear guest speakers whose expertise and/or life experiences will help them better appreciate the role of many cultures in the ongoing development of American society. This elective course will not replace a social studies credit for graduation.

Fine Art Elective Course Descriptions

ART

Art Foundations I

This course is an introduction to basic areas of art including design, color, drawing, perspective, crafts, simple sculpture, graphic arts and art appreciation. Students are encouraged to create and understand art as a visual language. This is a course for everyone, not just for the talented few. The only prerequisite is a sincere interest in learning more about art. No special talent is required.

Art Intermediate II

Prerequisite: Art Foundations I

This course is a continuation of the basics of art with an emphasis on more advanced techniques and mediums. Some areas included are oil painting, watercolor, ceramics, print making, advanced drawing, and a continuation of art history and art appreciation.

Advanced Intermediate Art III

Prerequisite: Art Foundations and Intermediate Art

This course builds upon skills learned in Art Foundations and Intermediate courses and, allows more time for students to pursue individual art interests. Emphasis is on visual problem-solving and creative growth.

Advanced Art IV

Prerequisite: Advanced Intermediate Art

This course provides for intensive individual study and development in art areas chosen by the student (with teacher approval). Students are required to maintain a portfolio and to present a one-man show of their work in the spring.

Advanced Placement Art History

Advanced Placement Art History is a chronological art survey course for juniors and seniors. It will focus on traditional Western Civilization art but will also include non-Western art and its impact on the art forms of Western Civilization. It is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history: an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. Emphasis will be on analysis, evaluation, comparison and understanding of art through the Ages. While the course does not assume prior training or seek primarily to identify students who will major in art history in college, it does require a high degree of commitment to academic work and to the purposes of a program designed to meet college standards.

BUSINESS

Personal Finance

Grade Level 8-12

***This is a required course for the freshmen class entering 2010-2011 (graduating 2013-2014). ***

Students learn how to navigate the financial decisions they must face and to make informed decisions related to budgeting, banking, credit, insurance, spending, taxes, savings, investing, buying/leasing a vehicle, living independently, and inheritance. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success.

COMPUTER EDUCATION

Advanced Placement Computer Science

Prerequisite: Algebra II (Keyboarding is preferred)

This is a fast-paced, college-level course. It begins with a brief review of the development of computers and software usage and encompasses the technical skills and scientific methodologies needed to design high quality computer-based solutions to real problems. JAVA is the programming language used.

NRCC Dual Enrollment Computing

CSC 110 Introduction to Computing (1st semester, 3 college credits)

Grade Levels: 11 or 12

Prerequisite: Algebra I, having earned at least a "C"

Introduces problem solving through computer applications and a programming language. Examines development of computers, social and ethical implications of computers, and properties of programming languages. Covers input, storage, data manipulation, software and hardware.

CSC 200 Introduction to Computer Science (2nd semester, 3 college credits)

Grade Levels: 11 or 12

Prerequisite: CSC 110

Provides broad introduction to computer science. Discusses architecture and function of computer hardware, including networks and operating systems, data and instruction representation and data organization. Covers software, algorithms, programming languages and software engineering. Discusses artificial intelligence and theory of computation. Includes a hands-on component.

ACTIVITIES AND CLUBS

Band

- Flag
- Jazz
- Marching
- Percussion
- Symphonic

Choir

- Concert
- Symphonic

Clubs

- The Acorn
- Art Club
- Black Awareness Club
- Drama Club
- Cultural Diversity Club
- FCA (Fellowship of Christian Athletes)
- FCCLA (Family Career and Community Leader of America)
- French Club
- GSA (Gay Straight Alliance)
- HOSA (Health Occupational Students of America)
- MGA (Mock General Assembly)
- National Honor Society
- Oak Leaf
- Outdoor Adventure Club
- Raven's Nest
- Spanish Club
- SADD Club
- SCA
- Science Club
- Skills USA/Precision & Machining
- Skills USA/Drafting
- Skills USA/Building Trades
- Ultimate Frisbee Club
- Youth-n-Government

MACC

- All Around
- English
- Math
- Science
- Social Studies
-

VHSL Academics

- Drama
- Forensics
- Scholastic Bowl
-

VHSL Athletics

- Baseball
- Basketball/Girls
- Basketball/Boys
- Cheerleading
- Cross Country/Boys
- Cross Country/Girls
- Football
- Golf/Boys
- Golf/Girls
- Indoor Track/Boys
- Indoor Track/Girls
- Soccer/Boys
- Soccer/Girls
- Softball
- Swimming/Boys
- Swimming/Girls
- Tennis/Boys
- Tennis/Girls
- Track/Girls
- Track/Boys
- Volleyball
- Weightlifting (After School)
- Wrestling

RADFORD HIGH SCHOOL

Course Offerings

2010-2011

<u>ENGLISH</u>	<u>grade</u>	<u>credit</u>
English 9	9	1
English 9 Advanced	9	1
English 10	10	1
English 10 Advanced	10	1
English 11	11	1
English 11 Advanced	11	1
English 12	12	1
DE English 12 ENG 111,112	12	1
AP English 12	12	1
Creative Writing	10-12	1
Drama Theatre Arts	9-12	1
<u>FOREIGN LANGUAGE</u>		
Arabic I (online)	9-12	1
French I, II (online)	9-12	1
French III	10-12	1
Latin I	9-12	1
Latin II, III, IV, V (online)	10-12	1
Spanish I	8-12	1
Spanish II	9-12	1
Spanish III	10-12	1
Spanish IV	11-12	1
Spanish IV (online)	11-12	1
AP French Language (online)	9-12	1
AP Spanish Language (online)	9-12	1
AP Latin-Vergil (online) **	9-12	1
AP Chinese Language & Culture(online) **	9-12	1
Chinese I, II, III, IV (online)	9-12	1
<u>HEALTH & PHYSICAL EDUCATION</u>		
Health and Physical Education 9	9	1
Health and Physical Education 10	10	1
Advanced Health/ Recreational Activities	9-12	1
<u>MATHEMATICS</u>		
Algebra I, Part II	10-12	1
Algebra I	9-12	1
Alg, Functions & Data Analysis	9-12	1
Geometry	9-12	1
Algebra II	10-12	1
Adv.Algebra and Trigonometry	11-12	1
Pre-Calculus Honors	11-12	1
AP Calculus	11-12	1
AP Statistics (online)	11-12	1
<u>SCIENCE</u>		
Earth Science	9	1
Honors Earth Science	9	1
Biology	10	1
Honors Biology	10	1
Biology II	11-12	1
Chemistry	11	1
AP Chemistry	12	1

<u>Science Con't</u>	<u>grade</u>	<u>credit</u>
Honors Chemistry	11	1
Physics	12	1
Honors Physics	12	1
DE Geology GOL 105, 106	10-12	1
Science Lab Assistant	11-12	1
<u>SOCIAL STUDIES</u>		
World Civilization I	9	1
World Civilization II	10-12	1
VA and US History	11	1
AP US History	11	1
VA and US Government	12	1
AP US Government /Politics	12	1
Minority Studies in Amer. History	9-12	1
Comparative Religion	9-12	1
<u>ART</u>		
Art Foundations I	9-12	1
Art Intermediate II	10-12	1
Advanced Intermediate Art III	11-12	1
Advanced Art IV	12	1
AP Art History	11-12	1
<u>BUILDING TRADES</u>		
Building Trades I	10-11	1
Building Trades II (2 periods)	11-12	1-2
DE Building Trades BLD 110	11-12	1
<u>BUSINESS</u>		
Personal Finance	8-12	1
<u>COMPUTER EDUCATION</u>		
DE Intro. to Computing CSC 110	11-12	1 1 st Sem
DE Intro. to Computer Science CSC 200	11-12	2 nd Sem
AP Computer Science	11-12	1
<u>DRAFTING</u>		
Drafting I	10-11	1
Drafting II (2 periods)	11-12	1-2
DE Drafting DRF 114	11-12	1
DE Drafting DRF 201	11-12	1
<u>FAMILY and CONSUMER STUDIES</u>		
Introduction to Culinary Arts	9-12	1
Culinary Arts I (2 periods)	10-11	2
Culinary Arts II (2 periods)	11-12	2
Culinary Arts III	12	1
<u>INDEPENDENT STUDY</u>		
Independent Study	9-12	1

<u>MACHINING</u>	<u>grade</u>	<u>credit</u>
Precision Machining Tech. I	10-11	1
Precision Machining Tech II (2 periods)	11-12	1-2
DE Machine Operations J-06 (2 periods)	11-12	2
DE Machine Operations K-06(2 periods)	12	2
DE Machine Operations MAC 106(4 periods)	12	4
<u>MUSIC</u>		
Symphonic/Marching Band	9-12	1
Concert Band	8-12	1
AP Music Theory	9-12	1
Symphonic Choir/Chorus	9-12	1
Concert Choir	10-12	1
<u>HEALTH OCCUPATIONS</u>		
Intro. to Health & Medical Sciences	10-12	1
DE Medical Terminology HIT 111	11-12	1
Practical Nursing I (3 periods)	12	3
<u>PUBLICATIONS</u>		
Film/TV Production I	10-11	1
Film/TV Production II (2 periods)	11-12	1-2
Journalism I, II, III, IV (Acorn)	9-12	1
Photo Journalism I, II, III (Oak leaf)	9-12	1
<u>READING</u>		
Reading Lab	9-12	1
<u>TEACHER CADET</u>		
	12	1
<u>VIRTUAL AP - online</u>		
AP Calculus BC **	11-12	1
AP English Language and Composition **	11-12	1
AP Environmental Science **	11-12	1
AP European History **	10-12	1
AP French Language **	11-12	1
AP Government & Politics: Comparative **	10-12	1
AP Human Geography **	10-12	1
AP Psychology	9-12	1
AP Spanish Language **	11-12	1
AP Statistics **	11-12	1
AP World History	10-12	1
<u>VIRTUAL - online</u>		
World Mythology	9-12	1
Survey of World Language & Culture	9-12	
**Prerequisite requirements - see Guidance Counselor		
All Dual Enrollment, Advanced Placement and Honors courses are weighted.		