



VIRGINIA BEACH CITY PUBLIC SCHOOLS
CHARTING THE COURSE

Department of Teaching & Learning
Parent/Student Course Information

Advanced Placement Environmental Science
(SC 4270)
One credit, one year
Grades 11-12

Counselors are available to assist parents and students with course selections and career planning. Parents may arrange to meet with the counselor by calling the school's guidance department.

COURSE DESCRIPTION

Advanced Placement Environmental Science is a college-level course that deals with advanced concepts in environmental science in detail. The course is designed in accord with the requirements of the College Board. Students are expected to take the Advanced Placement Environmental Science Examination at the end of the course.

COURSE GOALS

- Provide students with scientific principles, concepts and methodologies required to understand the interrelationships of the natural world
- Identify and analyze environmental problems both natural and human-made
- Evaluate the relative risks associated with natural and man-made problems
- Examine a variety of solutions for resolving and/or preventing natural and man-made problems

PREREQUISITE

Biology and/or Chemistry

One additional high school credit science (Earth Science, Physics, etc.)

OPTIONS FOR NEXT COURSE

Advanced Placement Biology (Biology and Chemistry prerequisite)

Advanced Placement Chemistry (Chemistry prerequisite)

Physics (Geometry prerequisite)

Advanced Placement Physics 1 (Algebra II/Trigonometry corequisite)

Advanced Placement Physics C: Mechanics (Calculus corequisite)

Oceanography (Earth Science prerequisite)

Astronomy (Earth Science prerequisite)

REQUIRED TEXTBOOK

Living in the Environment: AP Edition 18th Edition, Cengage (2015)

MINIMUM REQUIREMENTS

- Read and outline assigned chapters in the textbook on a daily basis
- Complete all homework assignments/projects in a timely manner
- Participate in the laboratory activities, prepare written laboratory reports and adhere to all safety procedures
- Read science journals, magazines and books to expand the ideas and topics presented in class
- Demonstrate knowledge and understanding of all core objectives through laboratory investigations, projects, oral and/or written tests, quizzes and reports.

The Knowledge, Skills and Attitudes that Comprise the Advanced Placement Environmental Science Course are summarized as follows from the prescribed curriculum:

Big Idea 1: Energy Transfer

Big Idea 2: Interactions Between Earth Systems

Big Idea 3: Interactions Between Different Species and The Environment

Big Idea 4: Sustainability

LABORATORY AND FIELD INVESTIGATIONS

- A minimum of twenty-five percent (25%) of a student's time should be spent in hands-on, inquiry-based laboratory and/or fieldwork investigations.

NOTE: Students should keep records of their field investigations and laboratory work in such a fashion that the reports can be readily reviewed. Some institutions want to see a record of the laboratory work done by an advanced placement student before making a decision about granting credit.

Aaron C. Spence, Ed.D., Superintendent
Virginia Beach City Public Schools
2512 George Mason Drive, Virginia Beach, VA 23456-0038

Produced by the Department of Teaching and Learning.
For further information, please call (757) 263-1070.

Notice of Non-Discrimination Policy

Virginia Beach City Public Schools does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation/gender identity, pregnancy, childbirth or related medical condition, disability, marital status, age, genetic information or veteran status in its programs, activities, employment, or enrollment, and provides equal access to the Boy Scouts and other designated youth groups. School Board policies and regulations (including, but not limited to, Policies 2-33, 4-4, 5-7, 5-19, 5-20, 5-44, 6-33, 6-7, 7-48, 7-49, 7-57 and Regulations 4-4.1, 4-4.2, 5-44.1, 7-11.1, 7-17.1 and 7-57.1) provide equal access to courses, programs, enrollment, counseling services, physical education and athletic, vocational education, instructional materials, extracurricular activities and employment.

Title IX Notice: Complaints or concerns regarding discrimination on the basis of sex or sexual harassment should be addressed to the Title IX Coordinator, at the VBCPS Office of Student Leadership, 641 Carriage Hill Road, Suite 200, Virginia Beach, 23452, (757) 263-2020, Mary.Dees@vbschools.com (student complaints) or the VBCPS Department of School Leadership, 2512 George Mason Drive, Municipal Center, Building 6, Virginia Beach, Virginia, 23456 (757) 263-1088, Elizabeth.Bryant@vbschools.com (employee complaints). Additional information regarding Virginia Beach City Public Schools' policies regarding discrimination on the basis of sex and sexual harassment, as well as the procedures for filing a formal complaint and related grievance processes, can be found in School Board Policy 5-44 and School Board Regulations 5-44.1 (students), School Board Policy 4-4 and School Board Regulation 4-4.3 (employees), and on the School Division's website at Diversity, Equity and Inclusion/Title IX. Concerns about the application of Section 504 of the Rehabilitation Act should be addressed to the Section 504 Coordinator/Executive Director of Student Support Services at (757) 263-1980, 2512 George Mason Drive, Virginia Beach, Virginia, 23456 or the Section 504 Coordinator at the student's school. For students who are eligible or suspected of being eligible for special education or related services under IDEA, please contact the Office of Programs for Exceptional Children at (757) 263-2400, Plaza Annex/Family and Community Engagement Center, 641 Carriage Hill Road, Suite 200, Virginia Beach, VA 23452.

The School Division is committed to providing educational environments that are free of discrimination, harassment, and bullying.

Students, staff, parents/guardians who have concerns about discrimination, harassment, or bullying should contact the school administration at their school. Promptly reporting concerns will allow the school to take appropriate actions to investigate and resolve issues. School Board Policy 5-7 addresses non-discrimination and anti-harassment, Policy 5-44 addresses sexual harassment and discrimination based on sex or gender. Policy 5-36 and its supporting regulations address other forms of harassment.

Alternative formats of this publication which may include taped, Braille, or large print materials are available upon request for individuals with disabilities. Call or write the Department of Teaching and Learning, Virginia Beach City Public Schools, 2512 George Mason Drive, P.O. Box 6038, Virginia Beach, VA 23456-0038. Telephone 263-1070 (voice); fax 263-1424; 263-1240 (TDD) or email him at Keith.Goodman@vbschools.com.

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