



VIRGINIA BEACH CITY PUBLIC SCHOOLS CHARTING THE COURSE

Department of Teaching & Learning Parent/Student Course Information

Physical Science (SC 4126) One year Grade 8

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

Physical Science is a laboratory-oriented program that provides students with a foundation in the physical sciences. Laboratory investigations and activities are the primary means for developing problem-solving skills and for developing the major concepts and principles of the fields of science which make up the eighth grade program. Students also develop experimental research and design skills in a problem area of their choice. Research and decision-making skills are further developed through the investigation of local or national issues and concerns that result from the interaction of science, technology and society. Students will take the Standards of Learning (SOL) test for Grade 8 Science.

COURSE GOALS

- Develop a foundation of concepts and principles in the physical sciences
- Develop problem-solving and decision-making skills through experimentation, research and discussions
- Develop an awareness of the interdisciplinary nature of science and its relevance to society
- Develop basic communication skills
- Explore the application of scientific principles in careers and in other areas of interest

PREREQUISITE

Life Science 7

OPTIONS FOR NEXT COURSE

Environmental Science

Earth Science

Biology

REQUIRED TEXTBOOK

VBCPS Physical Science FlexBook

MINIMUM REQUIREMENTS

- Demonstrate knowledge and understanding of all core objectives via laboratory investigations; issue investigations and projects; and oral and/or written tests, quizzes and reports
- Participate in the core laboratory investigations adhering to all safety procedures
- Prepare written reports for laboratory investigations
- Conduct a minimum of one experimental project including the selection of a problem, experimental design for solving the problem, carrying out the experiment and reporting the results
- Investigate science-related issues of local, regional, national, or global concern
- Investigate career opportunities and areas of interest in science

Virginia Standards of Learning

Please follow the link below to view the Physical Science standards on the Virginia Department of Education website.

[Physical Science](#)

Aaron C. Spence, Ed.D., Superintendent
Virginia Beach City Public Schools
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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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