



Department of Teaching & Learning
Parent/Student Course Information

Science
(SC 4105)
One year
Grade 6

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

The Science Grade 6 course represents an activity-based, inquiry course in which students study the life, physical, and earth sciences. Through hands-on activities, students learn about the natural and technological world, improve their inquiry skills and ability to solve problems, and develop an understanding of the limits and possibilities of science and technology.

COURSE GOALS

- Provide a broad content base in the life, physical and earth sciences
- Develop problem-solving and decision-making skills through experimentation, research and discussion
- Develop an awareness of the interdisciplinary nature of science and its relevance to society
- Develop basic communication skills
- Provide reading and study skills

PREREQUISITE

Fifth grade science

OPTIONS FOR NEXT COURSE

Life Science 7

REQUIRED TEXTBOOK

Pearson Prentice Hall: *Science Explorer, Grade 6, Virginia Edition, (2004)*

MINIMUM REQUIREMENTS

- Demonstrate knowledge and understanding of objectives through hands-on activities, projects and oral and/or written tests, quizzes and reports
- Participate in the hands-on investigations adhering to all safety procedures

The Instructional Objectives that Comprise the Grade 6 Science Course are Summarized as Follows from the Prescribed Curriculum:

- Demonstrate an understanding of scientific reasoning, logic and the nature of science by planning and conducting investigations.
- Investigate and understand basic sources of energy, their origins, transformations and uses.
- Investigate and understand the role of solar energy in driving most natural processes within the atmosphere, the hydrosphere and on Earth's surface.
- Investigate and understand that all matter is made up of atoms.
- Investigate and understand the unique properties and characteristics of water and its roles in the natural and human-made environment.
- Investigate and understand the properties of air and the structure and dynamics of Earth's atmosphere.
- Investigate and understand the natural processes and human interactions that affect watershed systems.
- Investigate and understand public policy decisions relating to the environment.

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

Produced by the Department of Media and Communications for 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 and activities 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, 4-6, 4-43, 5-7, 5-19, 5-20, 5-44, 6-7, 7-48, 7-49, 7-57 and Regulations 4-4.1, 4-4.2, 4-6.1, 4-43.1, 5-44.1, 7-11.1, 7-17.1 and 7-57.1) provide equal access to courses, programs, counseling services, physical education and athletic, vocational education, instructional materials and extracurricular activities.

To seek resolution of grievances resulting from alleged discrimination or to report violations of these policies, please contact the Title VI/Title IX Coordinator/Director of Student Leadership at (757) 263-2020, 1413 Laskin Road, Virginia Beach, Virginia, 23451 (for student complaints) or the Section 504/ADA Coordinator/Chief Human Resources Officer at (757) 263-1133, 2512 George Mason Drive, Municipal Center, Building 6, Virginia Beach, Virginia, 23456 (for employees or other citizens). 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, Laskin Road Annex, 1413 Laskin Road, Virginia Beach, Virginia, 23451.

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 her at Amanda.Malbon@VBSchools.com

vbschools.com
your virtual link to Hampton Roads' largest school system



VIRGINIA BEACH CITY PUBLIC SCHOOLS
CHARTING THE COURSE

No part of this publication may be produced or shared in any form without giving specific credit to Virginia Beach City Public Schools.

(Revised August 2017)