



YELLOW BREECHES MIDDLE SCHOOL

SCIENCE SYLLABUS

Grade 6

Mrs. Kim Draper

kjd@smsd.us, kimberlydraper@bubblers.us

717-258-6484 x4113



SMSD Mission Statement: The mission of the South Middleton School District is to provide a challenging education in a safe, supportive environment that empowers all students to become lifelong learners and productive, respectful citizens of our diverse and changing world.

Course Title: 6th Grade Science

Course Description: The goal of the science curriculum is to provide instruction in environmental and earth science.

Text(s): Science Explorer, New Jersey: Pearson Prentice Hall, 2005.

While additional videos and readings will be used based on the needs of students our main resources have been included. There is a comprehensive list of all approved curriculum resources on the district web page. If you have questions regarding resources, please contact our building administration.

Statement of Purpose: The purpose of this course is to give students an introduction to Earth science, to extend their knowledge and understanding of our planet and its resources, as well as to build scientific thinking.

Learning Objectives: Students will:

- Learn to think scientifically to solve problems and answer questions in everyday life
- Conduct a scientific investigation which follows the steps of the scientific method
- Use appropriate tools and techniques to gather, analyze and interpret data
- Explore ways to care for our environment and responsibly manage its resources

Course Outline: Units of Study:

- The Nature of Science and Technology
 - Scientific skills and attitudes
 - Scientific inquiry
- Environmental Science
 - Environmental issues
 - Conserving land and resources
 - Recycling and waste management
 - Water and air pollution and solutions
 - Energy
- Earth's Waters
 - Properties of water
 - Wetlands
 - Surface water and groundwater
 - Ocean motion
 - Tides
 - Water chemistry
 - Currents
- Inside Earth
 - Plate Tectonics
 - Volcanoes

Grading:

Classroom Grading Procedures:

- In order to help keep you informed, Sapphire is available to you throughout the marking period for both parents and students. Students are asked to check Sapphire weekly. This should be used to see completed work. To see upcoming work, see your student's assignment book.
- The classroom make-up policy for absences aligns with that described in the school handbook.
- All assignments are expected to be completed to the best of the student's ability and turned in on time. Late work is expected to be turned in, but will lose 10%. After one week, students will not receive credit for the assignment.
- The classroom policy for plagiarism and cheating aligns with that described in the school handbook.
- Extra Credit - Extra credit is not intended to replace assigned projects that were not completed by a student. To this end, extra credit will be in addition to, not in place of assigned work.
- Percentage grades will be consistent with the scale listed in the student handbook.

Notes:

Necessary adaptations and accommodations will be made for students as detailed in the student's IEP or 504 plan.