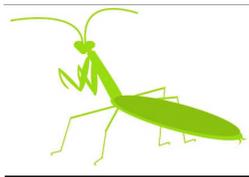


Science 7 Syllabus: Class Introduction and Information



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A. 7TH GRADE SCIENCE DESCRIPTION

The seventh grade science course will focus upon aspects of **physical science, Earth science,** and the **scientific process.** Students will be expected to master skills and concepts of the scientific investigation or inquiry process with the guidance of the teacher.

The seventh grade science curriculum at BFCCPS is designed to assist students in developing critical thinking and problem solving skills through the inquiry process. There is a strong focus on research, scientific writing, collaboration, and communication skills. Students will be regularly asked to complete tasks and projects in small groups and in an independent fashion. They will also be required to share their knowledge with their classmates, and, in some cases, with the school community. Their science fair projects play an integral role in developing their independence and executive functioning skills, in cooperation with teacher and parental guidance.

B. SCIENCE TOPIC CALENDAR

First Trimester	Second Trimester	Third Trimester
*Introduction to Science Fair	* Completion of Science Fair Projects	*States of Matter and Heat Energy continued
*Summer Science Assignment Review and Final Draft	* Elements (Periodic Table)	*Mapping the Earth
*Scientific Process and Inquiry Intro	* Atoms and Molecules	*Earth's Structure
*Weight and Mass	* Elements and Compounds	*Heat Transfer in the Earth System
*Measurement Tools	* Mixtures and Pure Substances	*Plate Tectonics
*Volume, Mass and Density	* Melting Point and Boiling Point	*Final Exam Preparation
*The Law of Conservation of Mass/ Matter	* Physical and Chemical Changes	
	* States of Matter and Heat Energy	

C. CLASS EVALUATION

Grading Category	Percent of Overall Grade
Homework and Class Participation	25%
Quizzes (includes short-term projects)	25%
Tests (includes projects)	25%
Exams (includes long-term projects)	25%

Evaluation will be based on:

1. Class participation, including completion of classroom activities
 2. Completion and accuracy of homework
 3. Mastery of the course content as measured on quizzes, open responses/essays, and projects.
 4. Mastery of the course content on tests and exams (1-2 large assessments per trimester)
 5. A Science Fair Project completed during Trimester I and Trimester II
- All assignments submitted on time will be entered into the grade book up to a total score of 100%.
 - An exam that has received an undesirable score can be revised by completing a revision worksheet and attaching it to the original test or exam. The revision needs to be completed within one week of the original assessment. Students will receive complete instructions of the revision process in class.
 - Exams can be revised for a score up to 100% and will be averaged with the original score.

Grading Scale:

Fractions of grade points will be rounded to the nearest whole number.
 Grades are calculated as follows:

A+ 97-100%	B+ 87-89%	C+ 77-79%	D+ 67-69%
A 94-96%	B 84-86%	C 74-76%	D 64-66%
A- 90-93%	B- 80-83%	C- 70-73%	D- 60-63%

Homework:

Homework is due on the assigned due date at the beginning of class. Students have **three days** to turn in homework assignments for partial credit. Each day late will cause the assignment's grade to decrease 10 points. After the **three day** period, no credit (0%) will be entered into the grade book.

Other Assignments:

All assignments are due on the due date. An assignment which is turned in after the due date will result in a grade reduction of 10 points for each 24-hour period unless specific permission has been given by Ms. H. to submit the assignment on another date. An incomplete assignment will receive a 0% in the grade book.

Writing Quality:

All submitted work must be a finished product that is the result of participating in the writing process and steps as instructed by the teacher. It is expected to be high quality work. Students will be provided rubrics and specific correction areas for graded writing assignments.

Work Integrity:

Assigned work submitted to fulfill course requirements will be entirely that of the individual students and/or that of the group with whom he/she has worked cooperatively. All sources of facts, quotes, and images must be properly cited in papers and slideshow presentations. Students will be properly guided and instructed on how to create citations for images and background research. See student handbook for further information.

D. TEXT AND MATERIALS

Students will be using the following text in the classroom:

Prentice Hall: Science Explorer

“Chemical Building Blocks”

“Chemical Interactions”

(A variety of science articles, newspaper articles, and other text materials will be used in science class as well.)

E. SCIENCE FAIR

Students will be expected to participate in science fair by completing a science fair project. This includes a laboratory experiment, lab report, laboratory journal, display board and background research. Specific information regarding science fair will be distributed to both parents and students a few months prior to science fair. Each student's science fair project will be graded as an exam grade.

F. OTHER CLASS INFORMATION

Attendance/Participation:

All students will receive a “weekly overview” or “weekly” each class on Monday that will review the week's lessons, activities, goals, and homework. The weekly will also be posted to the class website on Monday by 4 pm (or Tuesday by 4 pm, depending upon their class schedule).

Please note: Any changes to the weekly overview or homework will be reviewed in class with the students.

Class attendance is very important. Active participation in class discussion and small groups is expected. For every day of class missed students will be expected to retrieve their late work/materials and find out the deadline for their late submission(s). **In general, incomplete work from an absence will be due in five days.** All work for absent students will be organized and available for student pick up in the science classroom. In the case of extended absences, I will provide materials for pick up in the main office. It is the responsibility of the student to pick up and complete their work from an absence. **I strongly suggest that all students speak to me after an absence to make sure they have all of the necessary materials to complete the missed work.**

Classroom Behavior:

I am committed to creating and maintaining an interactive and positive learning environment. Positive classroom behaviors will be expected at all times. Students are expected to add to the learning environment with a respectful and supportive mindset. Students that exhibit behavior that is not enhancing the learning environment will be redirected as instructed by the teacher. Please contact me with any questions or concerns regarding behavioral expectations.

Technology Information:

The scientists will be regularly working with the inquiry-based online science simulations known as “Gizmos” through www.explorellearning.com. It is very important that all students have access to the use of “Gizmos” at home. This may require that you update plug-ins on your computer or tablet. Please contact me with any questions.

Signature Page

I understand and agree to the course syllabus for 7th grade science. I will ensure that I can access and use “Gizmos” on [www. explorelearning.com](http://www.explorelearning.com) at home. In the case that I have any questions about the course syllabus, I will be sure to contact Ms. Herliczek. Thank you!

Student Name: _____

Student Signature _____ Date _____

Parent/Guardian Signature _____ Date _____