

6th Grade Science Academic Plan 2019-2020

Welcome, 6th Grade scientists! I am so excited about teaching you science this year! Sixth grade science is designed to give you an understanding of the concepts and processes associated with the integration of several fields of science as they relate to one another. Appropriate laboratory and field activities will be provided to enhance and motivate you as well as give you a chance to experience and apply new concepts.



Materials: You will need your digital device, earbuds/headphones, 2 marble composition notebooks, #2 pencils, loose leaf paper and your own student agenda or calendar to write down assignments. All students are required to follow the computer rules and they must have a safety contract on file. We will be providing safety goggles.

Unit	Unit Dates	Common Assessment Window	Description <i>* All 6th Grade Science Classes will follow the H.C.S. Science Curriculum Map</i>
Weather & Climate	8/19-10/18	10/10-10/18	<u>6.P.3</u> The student will demonstrate an understanding of the properties of energy, the transfer and conservation of energy, and the relationship between energy and forces.
Energy Transfer & Conservation	10/21-12/20	12/16-12/20	<u>6.E.2</u> The student will demonstrate an understanding of the interactions within Earth's systems (flow of energy) that regulate weather and climate.
Protists, Fungi & Plants	1/6-3/6	3/2-3/6	<u>6.L.5</u> The student will demonstrate an understanding of the structures, processes, and responses that allow protists, fungi, and plants to survive and reproduce.
Classification & Animals	3/9-5/1	4/27-5/1	<u>6.L.4</u> The student will demonstrate an understanding of how scientists classify organisms and how the structures, processes, behaviors, and adaptations of animals allow them to survive.
PASS Review	5/4-5/15	<i>*These dates are proposed and may change by a day or two based on unforeseen events or student readiness.</i>	PASS review activities at the discretion of the teacher according to the individual needs of the students.
PASS Testing	5/14-5/15		South Carolina Department of Education Website Dates https://ed.sc.gov/
Culminating Projects	5/18-6/3		Projects that cover inquiry science and engineering practices standards will be covered while doing fun, hands-on labs. <u>6.S.1</u> The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content. <u>6.S.1B</u> Conceptual Understanding: Technology is any modification to the natural world created to fulfill the wants and needs of humans. The engineering design process involves a series of iterative steps used to solve a problem and often leads to the development of a new or improved technology.

Grading: Grading will be a combination of class participation, homework, tests, labs, projects, field activities, and a science journal. Students will be issued computerized grade reports at the interim, at the end of each quarter, and as often as deemed necessary. A parent signature is required for the progress reports in order for students to receive credit. The county also will have grades through PowerSchool. Grades are weighted into the following categories.

Grading Scale	Middle/High School Uniform Grading Policy	
A=90-100%=Excellent B=89-80%=Good C=79-70%=Satisfactory D=69-60%=Minimal F=59% or below=Unsatisfactory	Classwork/Homework/Participation	20%
	Labs/Quizzes/Journals	30%
	Tests/Essays/Projects	50%

Late Work Policy: Eleven points will be deducted from late assignments for each school day the assignment is late.

Homework Policy: Students should review all materials covered in class on a daily basis. Homework is not given every day, but is checked and graded on the assigned due date when given. All homework will be posted on the Homework Board in the classroom. Students should copy these assignments in their agenda. Students should review the assignments when they are absent and complete them for make-up work.