

Honors Physical Science		
Standards	Fall Semester	
Next Generation Standards and Common Core Science and Technical Subjects Standards	Topics Covered	Number of Days
HS-ETS1-1, 2, 3, 4	Engineering Design:	13
RST9-10.1 to 10.10	What is Science? & Using a Scientific Approach	1
	Measurement/Math in Science	2
	Presenting Scientific Data	2
	Create and Present Scientific Experiment Power Point: Students will work in groups to create and conduct simple experiment. They will be required to demonstrate how their data supports or doesn't support hypothesis. A full lab report will be turned in with all the appropriate lab reports sections. Honor students will be required to complete an end of topic project. In addition to the content standards honors students will also be assessed on English Language Arts Standards: Science and Technical Subjects from Common Core.	8
HS-PS1-1, 3, 8	Structures and Properties of Matter:	18
RST9-10.1 to 10.10	Properties of Matter/ States of Matter/ Atomic Structure	5
	Atom Project: Sculpture, Comic Book, or Poster: Students will individually create either a sculpture, comic book or poster to demonstrate their understanding of the atomic structure. Honor students will be required to complete an end of topic project. In addition to the content standards honors students will also be assessed on English Language Arts Standards: Science and Technical Subjects from Common Core.	14
HS-ETS1-1, 2, 3, 4 & HS-PS1-1, 3 (Structure and Properties of Matter)	W1 Assessment September 24, 2019	1
HS-PS1-2, 4, 5, 6, 7	Chemical Reactions:	29
RST9-10.1 to 10.10	The Periodic Table	4
	Chemical Bonds & Chemical Reactions	10
	Solutions, Acids, and Bases	2
	Carbon Chemistry & Nuclear Chemistry	2
	Group Project: Careers in Chemistry Power Point presentation: Students will research and create a power point presentation about a specific career in the field of chemistry. Honor students will be required to complete an end of topic project. In addition to the content standards honors students will also be assessed on English Language Arts Standards: Science and Technical Subjects from Common Core.	10
HS-PS1-2, 4, 6, 7 (Chemical Reactions)	W2 Assessment November 5, 2019	1
HS-PS2-1, 2, 3, 4, 5, 6	Forces and Interactions:	30
RST9-10.1 to 10.10	Forces and Motion	10
	Forces in Fluids & Bouyancy	5

	Individual Project Rockets and Newton's Laws: Students will construct water propelled water rockets and create a poster or powerpoint presentation that will demonstrate how Newton's Laws of motion affect rocket flight. Students will be required to take measurements of their rocket flights and create graphs to demonstrate the flight pattern of rockets. Honor students will be required to complete an end of topic project. In addition to the content standards honors students will also be assessed on English Language Arts Standards: Science and Technical Subjects from Common Core.	11
HS-PS2-1, 4 (Forces and Interactions)	E1 Assessment December 17, 2019	1
Standards	Spring Semester	
Next Generation Standards and Common Core Science and Technical Subjects Standards	Topics Covered	Number of Days
HS-PS3-1, 2, 3, 4, 5	Energy	31
RST9-10.1 to 10.10	Work, Power, and Machines	5
	Energy/ Thermal Energy and Heat	10
	Partner Project: Students will work with a partner to create a poster demonstrating the changes of energy in a given system. They will also be required to create a tangible model of the system they are describing. Honor students will be required to complete an end of topic project. In addition to the content standards honors students will also be assessed on English Language Arts Standards: Science and Technical Subjects from Common Core.	10
HS-PS3-1, 2 (Energy)	W4 Assessment February 18, 2019	1
HS-PS4-1, 2, 3, 4, 5	Waves and Electromagnetic Radiation	26
RST9-10.1 to 10.10	Mechanical Waves and Sound	5
	The Electromagnetic Spectrum and Light	5
	Optics & Electricity & Magnetism	10
	Electromagnetic Waves and Technology Projects: Students will do an indept research paper regarding the relationship between electromagnetic waves and advancements in technology. Honor students will be required to complete an end of topic project. In addition to the content standards honors students will also be assessed on English Language Arts Standards: Science and Technical Subjects from Common Core.	10
HS-PS4-1, 3, 4 (Waves and Electromagnetic Radiation)	W5 Assessment April 7, 2019	1
HS-PS1, 2, 3, 4	Earth and Space Science	34
RST9-10.1 to 10.10	Earth's Interior and Surface	5
	Weather and Climate	5
	The Solar System	5
	Exploring the Universe	5
	Overall Review of Physcial Science Standards on EOC	

	HS-PS1-1, 3 (Structure and Properties of Matter)	1
	HS-PS1-2, 4, 6, 7 (Chemical Reactions)	3
	HS-PS2-1, 4 (Forces and Interactions)	3
	HS-PS3-1, 2 (Energy)	3
	HS-PS4-1, 3, 4 (Waves and Electromagnetic Radiation)	3
HS-PS1-1, 3 (Structure and Properties of Matter)/ HS-PS1-2, 4, 6, 7 (Chemical Reactions)/ HS-PS2-1, 4 (Forces and Interactions)/ HS-PS3-1, 2 (Energy)/HS-PS4-1, 3, 4 (Waves and Electromagnetic Radiation)	EOC May 22, 2019	1