

8th Grade Physical Science
1st Semester

CONTENT	DATE
INTRODUCTION/LAB SAFETY	August 6 - 7
STRUCTURES AND PROPERTIES OF MATTER	August 10-October 2
<ul style="list-style-type: none">• Course Overview• Structure of Matter• Elements• Mixtures and Solutions• Identifying Different Types of Mixtures• Experiment: Salt and Sand• Special Project• Atoms, Molecules, and Compounds• Atomic Nuclei• Ions• States of Matter• Review• Phase Change• Chemical Reactions• Chemical Application• Chemistry Review• Project: Chemical Reactions• Project: Design an Experiment• Project: Conduct an Experiment• Special Project	
ENERGY IN OUR LIFE	October 5-November 13
<ul style="list-style-type: none">• Heat• Experiment: Energy Efficiency• Energy Sources• Energy Transformation• Experiment: Heat Transfer• Energy and Temperature• Calorimetry• Experiment: Calorimetry• Chemical Energy• Special Project	
FORCES IN NATURE	November 16-December 11
<ul style="list-style-type: none">• Electricity and Magnetism• Conductors and Insulators• Experiment: Electric Motor• Experiment: Electrostatic Investigations	
REVIEW AND EXAMS	December 14 - 18

8th Grade Physical Science
2nd Semester

CONTENT	DATE
REVIEW FORCES IN NATURE	January 4 - 8
FORCE AND MOTION	January 11-February 5
<ul style="list-style-type: none">• Force• Newton's Laws of Motion• Project: Newton's Laws• Industry and Transportation• Agriculture and Waste• Motion• Gravity• Review• Experiment: Air Resistance• Special Project	
ELECTROMAGNETIC AND MECHANICAL WAVES	February 8-April 9
<ul style="list-style-type: none">• Light• Gathering Light with Telescopes• Sound• Types of Waves• Wave Properties• Electromagnetic Spectrum• Behavior of Waves• Special Project	
EOC REVIEW/EOC ADMINISTRATION	April 12-April 30
SPECIAL PROJECTS/REMEDICATION	May 3 - 21
FINAL EXAMS	May 24 - 28