



Earth Science 6 Syllabus

Jean Childs Young Science Team

 <https://www.atlantapublicschools.us/young>



Course Description

The Sixth Grade Georgia Standards of Excellence for science are designed to give all students an overview of common strands in earth science including, but not limited to, meteorology, geology, astronomy, and oceanography. Sixth grade students use records they keep and analyze the data they collect, plan and carry out investigations, describe observations, and show information in different forms. They are able to recognize relationships in simple charts and graphs and find more than one way to interpret their findings. They replicate investigations and compare results to find similarities and differences. Sixth graders study weather patterns and systems by observing and explaining how an aspect of weather can affect a weather system. They are able to construct explanations based on evidence of the role of water in Earth processes, recognize how the presence of land and water in combination with the energy from the sun affect the climate and weather of a region. They use different models to represent systems such as the solar system and the sun/moon/Earth system. They study uses and conservation of Earth's natural resources and use what they observe about the Earth's materials to infer the processes and timelines that formed them.

Supplies				
Chromebook*	Pencils	Highlighters	Page Dividers	Scissors
Headphones*	Colored Pencils	1" Binder	Looseleaf Paper	Glue sticks

**School Provided*

Course Grading

Grading Categories

Units Covered



APS Grading Scale

A = 90-100 Distinguished mastery of state standards

B = 80-89 Proficient mastery of state standards

C = 70-79 Developing mastery of state standards

F = 0-69 Beginning mastery of state standards

NG = No evaluation at this time.

Classwork 50%
Assessments 40%
Participation 10%

GADOE Science
Parent Letter

<http://tinyAPS.com/?EarthScience6>



Unit 1: Astronomy

Unit 2: Hydrology

Unit 3: Meteorology

Unit 4: Geology

Unit 5: Human Impact



Life Science 7 Syllabus

Jean Childs Young Science Team

✉ <https://www.atlantapublicschools.us/young>



Course Description

The Seventh Grade Georgia Standards of Excellence for science are designed to give all students the necessary skills for a smooth transition from elementary life science standards to high school biology standards. The purpose is to give all students an overview of common strands in life science including, but not limited to, diversity of living organisms, structure and function of cells, heredity, ecosystems, and biological evolution.

Supplies				
Chromebook*	Pencils	Highlighters	Page Dividers	Scissors
Headphones*	Colored Pencils	1" Binder	Looseleaf Paper	Glue sticks

*School Provided

Course Grading



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Units Covered

Unit 1: Cells

Unit 2: Inheritance

Unit 3: Classification

Unit 4: Ecology

Unit 5: Evolution

Physical Science 8 Syllabus

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Course Description

The Eighth Grade Georgia Standards of Excellence for science are designed to give all students the necessary skills for a smooth transition from elementary physical science standards to high school physical science standards. The purpose is to give all students an overview of common strands in physical science including, but not limited to, the nature of matter, conservation of energy, energy transformations, conservation of matter, kinematics, and dynamics. These standards are not intended in any way to take the place of the high school physical science standards.

Supplies

Chromebook*	Pencils	Highlighters	Page Dividers	Scissors
Headphones*	Colored Pencils	1" Binder	Looseleaf Paper	Glue sticks

**School Provided*

Course Grading



APS Grading Scale

A = 90-100 Distinguished mastery of state standards

B = 80-89 Proficient mastery of state standards

C = 70-79 Developing mastery of state standards

F = 0-69 Beginning mastery of state standards

NG = No evaluation at this time.

Grading Categories

Classwork 50%
Assessments 40%
Participation 10%

GADOE Science
Parent Letter

<http://tinyAPS.com/?PhysScience8>



Units Covered

Unit 1: Matter & Atoms

Unit 2: Forces & Motion

Unit 3: Energy

Unit 4: Waves & Optics

Unit 5: Electricity & Magnetism