

Physical Science 2

RCAS Policies/Procedures:

Students will be required to follow all RCAS policies and procedures. To view the RCAS High School Student Handbook, click [handbook](#).

Course Description:

Physical Science is designed as an entry level, introduction to the subjects of Chemistry and Physics. Critical thinking, measurement, mathematic conversions, atomic theory, the periodic table, and basic chemical reactions are explored. Taking Physical Science after passing either Chemistry, Physics, or both would be redundant and considered incorrect sequence of coursework.

Textbook:

Glencoe Physical Science

New curriculum will be piloted at times during this school year.

Required Resources:

N/A

“Limited Choice” Resources: (students will be asked to choose at least one title from this list)

N/A

Student Choice:

Will student be asked to choose additional reading material from the classroom or school library?

No

Essential Questions:

In development

Essential Learning Intentions:

Students will be able to identify safe laboratory procedures, techniques, and equipment.

Students will be able to apply appropriate units to measurements.

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Students will be able to apply appropriate units to measurements.

Students will be able to describe and predict how energy is transformed within a system.

Students will be able to describe relationships between work, power, and energy.

Students will be able to determine if work is done in a system.

Students will be able to identify ways that thermal energy is transferred.

Students will be able to differentiate between types of waves as energy.

Students will be able to describe electricity and its uses.

Students will be able to describe and build working series and parallel circuits.

Students will be able to determine relationships between electricity and magnetism.