

Physical Science 1

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.

Students will be able to identify subatomic particles, their locations, and appropriate calculations.

Students will be able to draw Bohr Models of simple atoms.

Students will be able to use the periodic table.

Students will be able to identify types of bonding.

Students will be able to name and write formulas for ionic compounds.

Students will be able to name and write formulas for covalent compounds

Students will be able to predict the outcome of a reaction based on their location of the reactants on the Periodic Table.

Students will be able to classify different reaction types.

Students will be able to balance chemical reactions.