



Course Title: Physical Science

Content Area: Science

Grade Level: 8

Scope and Sequence

Unit or Topic	Standards	Length of Time	Key Content	Assessment Tools	Scaffolding Strategies (Interventions, Special Education)	Resources & Materials
The Metric System	3.2.8.A1 3.2.8.A6	4 weeks	→ Metric Length → Metric Volume → Metric Mass → Metric Temperature → Controlled Experiments	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Physical & Chemical Properties/Changes	3.2.8.A3 3.2.8.A4	4 weeks	→ Physical Properties: State, Density, Thermal Conductivity, and others. → Chemical Properties → Chemical vs. Physical Changes	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Introduction to Chemistry	3.2.7.A1 3.2.8.A2 3.2.8.A4	4 weeks	→ Elements of the Periodic Table → Compounds	Teacher created assessments	Students are allowed to retest if needed.	All content is teacher created. Materials are

			→Mixtures →Distinguishing between Elements, Compounds, & Mixtures	– homework, labs, quizzes, and tests.	Assessments are adapted as needed.	posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
The Atom	3.2.7.A2 3.2.8.A2	4 weeks	→Structure of the Atom →Electrons →Groups of Elements →Isotopes, Radioactive Decay & Half-life	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Chemical Reactions	3.2.7.A4 3.2.8.A4	4 weeks	→Chemical Formula →Reactions →Bonding	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Energy	3.2.7.B2 3.2.8.B2 3.2.8.B3 3.2.8.B4	4 weeks	→Electricity →Renewable and Non-renewable Energy →Kinetic and Potential Energy →Types of Energy and Transformations	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.

Force and Motion	3.2.7.B1 3.2.8.B1 3.2.8.B2	4 weeks	→Motion: Speed & Acceleration →Force →Friction	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.
Gravity, Newton's Laws & Momentum	3.2.8.B7	4 weeks	→Gravity →Newton's Three Laws →Momentum	Teacher created assessments – homework, labs, quizzes, and tests.	Students are allowed to retest if needed. Assessments are adapted as needed.	All content is teacher created. Materials are posted in Blackboard, Google Classroom, and/or handed out for interactive notebooks.