CURRICULUM MAP

Science: Grade 5

FIRST QUARTER

Performance Expectations	Disciplinary Core Ideas	Science and Engineering Practices	Crosscutting Concepts
• **5-ESS2-1:** Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. • **5-ESS2-2:** Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth. • **5-ESS3-1:** Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.	**PS1.A**: Structure and Properties of Matter • Matter of any type can be subdivided into particles that are too small to see, but even then the matter still exists and can be detected by other means. A model showing that gasses are made from matter particles that are too small to see and are moving freely around in space can explain many observations, including the inflation and shape of a balloon and the effects of air on larger particles or objects. • The amount (weight) of matter is conserved when it changes form, even in transitions in which it seems to vanish. • Measurements of a variety of properties can be used to identify materials. **PS1.B**: Chemical Reactions • When two or more different substances are mixed, a new substance with different properties may be formed. • No matter what reaction or change in properties occurs, the total weight of the substances does not change. **LS1.C**: Organization for Matter and Energy Flow in Organisms • Plants acquire their material for growth chiefly from air and water.	**Focal:** • Planning and carrying out investigations • Analyzing and interpreting data • Engaging in argument from evidence • Using mathematics and computational thinking **Supporting:** • Developing and using models • Constructing explanations • Obtaining, evaluating, and communicating information	**Focal:** • Patterns • Scale, proportion, and quantity • Cause and effect **Supporting:** • Structure and function • Systems and system models • Energy and matter **State Investigation:** What's in the bag? (October)