

Brandon Valley School District

Science

Scope and Sequence

Grade: 4

Quarter 1

Timeline (month/days)	Standard(s)
August - October 4 weeks	Life Science - Human Machines 4-LS1-1 - Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction. 4-LS1-2 - Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways. 4-PS4-2 - Develop a model to describe how light reflecting from objects and entering the eye allows objects to be seen.

Quarter 2

Timeline (month/days)	Standard(s)
October - January 9 weeks	Earth and Space Science- The Birth of Rocks 4-ESS1-1 - Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time. 4-ESS2-1 - Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation. 4-ESS2-2 - Analyze and interpret data from maps to describe patterns of Earth's features. 4-ESS3-1 - Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment. 4-ESS3-2 - Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.

Quarter 3

Timeline (month/days)	Standard(s)
January - March 9 weeks	Physical Science - Energize Everything 4-PS4-3 - Create and compare multiple solutions that use patterns to transfer information. 4-PS3-1 - Use evidence to construct an explanation relating the speed of an object to the energy of that object. 4-PS3-2 - Make observations to provide evidence for how energy can be transferred from place to place by sound, light, heat, and electric currents. 4-PS3-3 - Ask questions and predict outcomes about the changes in energy that occur when objects collide. 4-PS3-4 - Design, test, and refine a device that converts energy from one form to another.

Quarter 4

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Timeline (month/days)	Standard(s)
March - May 8 weeks	Physical Science - Waves of Sound 4-PS4-1 - Develop a model of waves to describe patterns in terms of amplitude and wavelength and to provide evidence that waves can cause objects to move.

*Pink-priority, Yellow-supporting, Green-supplementary.

*90 minute class periods

Notes Q1 (common curriculum materials - vendor/pg number, common assessments, common intervention/enrichment activities, other)

- Mystery Science - Human Machines - Anchor Phenomenon, mysteries 1-4, performance task
- Mystery Science Assessments for each mystery
- Mystery Science transcripts for distance learning

Notes Q2

- Mystery Science - The Birth of Rocks - Anchor Phenomenon, mysteries 1-4, performance task
- Mystery Science Assessments for each mystery
- Mystery Science transcripts for distance learning

Notes Q3

- Mystery Science- Energizing Everything- Anchor Phenomenon, Mysteries 1-6, Performance Task
- Mystery Science Assessments for each mystery
- Mystery Science transcripts for distance learning

Notes Q4

- There will be 2 weeks of SBAC testing during this time period
- Mystery Science - Waves of Sound- - Anchor Phenomenon- Mysteries 1-3, Performance Task
- Mystery Science Assessments for each mystery
- Mystery Science transcripts for distance learning