

Brandon Valley School District
Science
Scope and Sequence
Grade: 1
Quarter 1

Timeline (month/days)	Standard(s)
3 weeks	Life Science: Germs and Hygiene Review hand washing safety, germs, social distancing, safety with tools/manipulatives, how to stay healthy. 1-LS1-2 Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive
6 weeks (1 lesson per week)	Life Science: Plant and Animal Superpowers 1-LS1-1 Design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs. 1-LS1-2 Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive 1-LS3-1 Construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.

Quarter 2

Timeline (month/days)	Standard(s)
6 weeks (1 lesson per week)	Earth Science: Spinning Sky 1-ESS1-1 Use observations of the sun, moon, and stars to describe patterns that can be predicted. 1-ESS1-2 Make observations at different times of the year to relate the amount of daylight to the time of year.
3 weeks (optional in-depth exploration)	Earth Science 1-ESS1-1 Use observations of the sun, moon, and stars to describe patterns that can be predicted. 1-ESS1-2 Make observations at different times of the year to relate the amount of daylight to the time of year.

Quarter 3

Timeline (month/days)	Standard(s)
6 weeks (1 lesson per week)	Physical Science: Lights and Sounds 1-PS4-1 Plan and carry out an investigation to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. 1-PS4-2 Construct an evidence-based account for how objects can be seen only when illuminated. 1-PS4-3 Plan and carry out an investigation to determine the effect of placing objects made with different materials in the path of a beam of light. 1-PS4-4 Design and build a device that uses light or sound to solve the problem of communicating over a distance.
3 weeks	Physical Science

(optional in-depth exploration)	<p>1-PS4-1 Plan and carry out an investigation to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.</p> <p>1-PS4-2 Construct an evidence-based account for how objects can be seen only when illuminated.</p> <p>1-PS4-3 Plan and carry out an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.</p> <p>1-PS4-4 Design and build a device that uses light or sound to solve the problem of communicating over a distance.</p>
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Quarter 4

Timeline (month/days)	Standard(s)
2 weeks (optional in-depth exploration)	<p>Life Science Review</p> <p>1-LS1-1 Design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.</p> <p>1-LS1-2 Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive</p> <p>1-LS3-1 Construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.</p>
2 weeks (optional in-depth exploration)	<p>Earth and Space Science Review</p> <p>1-ESS1-1 Use observations of the sun, moon, and stars to describe patterns that can be predicted.</p> <p>1-ESS1-2 Make observations at different times of the year to relate the amount of daylight to the time of year.</p>
1 week	<p>Earth Day Week</p> <p>K-2-Engineering and Technology Design Standards 1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.</p>
2 weeks (optional in-depth exploration)	<p>Physical Science Review</p> <p>1-PS4-1 Plan and carry out an investigation to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.</p> <p>1-PS4-2 Construct an evidence-based account for how objects can be seen only when illuminated.</p> <p>1-PS4-3 Plan and carry out an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.</p> <p>1-PS4-4 Design and build a device that uses light or sound to solve the problem of communicating over a distance.</p>

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

*30 minutes/2 times a week

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

- Life Science Standards
 - Germs and Hygiene website: <https://www.atozkidsstuff.com/health.html>
 - Germs and Hygiene: TPT website, search “personal hygiene”, 1st grade, free. The 1st activity that comes up: Comprehension Activities-Personal Hygiene.
 - Mystery Science: Plant and Animal Superpowers:
 - 1 lesson per week (6 total lessons per unit)--starting Sept 8th (day after labor day)
 - Read transcript or watch video from Mystery Science online curriculum resource
 - Common Assessment for Unit from Mystery Science
 - Assessment: under Plant and Animal Superpowers, click on assessment tab, there is

simple assessment for each mystery lesson.

- **Week 1 - August 19-21**
 - Back to School
- **Week 2 - August 24-28**
 - Germs
- **Week 3 - August 31-September 4**
 - Germs
- **Week 4 - September 7-11**
 - Germs
- **Week 5 - September 14-18**
 - Mystery Science: Plant & Animal Superpowers: Lesson 1 - Animal Structures and Survival
- **Week 6 - September 21-25**
 - Mystery Science: Plant & Animal Superpowers: Lesson 2 - Animal Behavior and Offspring Survival
- **Week 7 - September 28-October 2**
 - Mystery Science: Plant & Animal Superpowers: Lesson 3 - Camouflage and Animal Survival
- **Week 8 - October 5-9**
 - Mystery Science: Plant & Animal Superpowers: Lesson 4 - Inheritance and Variation of Traits
- **Week 9 - October 12-16**
 - Mystery Science: Plant & Animal Superpowers: Lesson 5 - Plant Survival and Engineering
- **Week 10 - October 19-23**
 - Mystery Science: Plant & Animal Superpowers: Lesson 6 - Plant Movement and Survival

Notes Q2

Earth and Space Standards

- Mystery Science: Spinning Sky:
 - 1 lesson per week (6 total lessons per unit)
 - 3 weeks optional extras from Mystery Science for in-depth exploration extra activities
- **Week 11 - October 26-30**
 - Mystery Science: Spinning Sky: Lesson 1 - Sun Shadows and Daily Patterns
- **Week 12 - November 2-6**
 - Mystery Science: Spinning Sky: Lesson 2 - Sun Shadows and Daily Patterns, Read Along
- **Week 13 - November 9-13**
 - Mystery Science: Spinning Sky: Lesson 3 - Sun and Daily Patterns
- **Week 14 - November 16-20**
 - Mystery Science: Spinning Sky: Lesson 4 - Daylight and Seasonal Patterns
- **Week 15 - November 23-24 (Thanksgiving)**
 - Thanksgiving
- **Week 16 - November 30-December 4**
 - Mystery Science: Spinning Sky: Lesson 5 - Stars and Daily Patterns
- **Week 17 - December 7-11**
 - Mystery Science: Spinning Sky: Lesson 6 - Stars and Seasonal Patterns
- **Week 18 - December 14-18**
 - Seasonal Science
- **Week 19 - December 21-23**
 - Seasonal Science

- **Week 20 - January 4-8**
 - Seasonal Science

Notes Q3

- Physical Science Standards
 - Mystery Science: Lights and Sounds:
 - 1 lesson per week (6 total lessons per unit)
 - 3 weeks optional extras from Mystery Science for in-depth exploration extra activities
- **Week 21 - January 11-15**
 - Mystery Science: Lights and Sounds: Lesson 1 - Sounds and Vibrations
- **Week 22 - January 18-22**
 - Mystery Science: Lights and Sounds: Lesson 2 - Sounds and Vibrations, Read Along
- **Week 23 - January 25-29**
 - Mystery Science: Lights and Sounds: Lesson 3 - Light, Materials, Transparent, Opaque
- **Week 24 - February 1-5**
 - Mystery Science: Lights and Sounds: Lesson 4 - Light and Illumination
- **Week 25 - February 8-12**
 - Seasonal Science
- **Week 26 - February 15-19**
 - Seasonal Science
- **Week 27 - February 22-26**
 - Mystery Science: Lights and Sounds: Lesson 5 - Light, Communication, and Engineering
- **Week 28 - March 1-5**
 - Mystery Science: Lights and Sounds: Lesson 6 - Lights, Sounds, and Communication
- **Week 29 - March 8-12**
 - Seasonal Science

Notes Q4

- Life Science Standards
 - Mystery Science: Plant and Animal Superpowers:
 - 2 weeks Review: Mystery Science Optional Extras (1 lesson per week)
 - Assessment: under Plant and Animal Superpowers, click on assessment tab, there is a simple assessment for each mystery lesson.
- Earth and Space Science Standards
 - Mystery Science: Spinning Sky:
 - 2 weeks Review: Mystery Science Optional Extras (1 lesson per week)
 - Assessment: under Spinning Sky, click on assessment tab, there is a simple assessment for each mystery lesson.
 - 1 week Earth Day activities
- Physical Science Standards
 - Mystery Science: Lights and Sounds:
 - 2 weeks Review: Mystery Science Optional Extras (1 lesson per week)
 - Assessment: under Spinning Sky, click on assessment tab, there is a simple assessment for each mystery lesson.
- **Week 30 - March 15-19**
 - Life Science Review
- **Week 31 - March 22-26**
 - Life Science Review
- **Week 32 - March 29-April 2**

- Life Science Review
- **Week 33 - April 5-9**
 - Earth and Space Review
- **Week 34 - April 12-16**
 - Earth and Space Review
- **Week 35 - April 19-23**
 - Physical Science Review
- **Week 36 - April 26-30**
 - Physical Science Review
- **Week 37 - May 3-7**
 - Seasonal Science and Review
- **Week 38 - May 10-14**
 - Seasonal Science and Review
- **Week 39 - May 17-19**
 - Seasonal Science and Review