

**SUGGESTED PACING**

**STRAND: PHYSICAL SCIENCE (PS)**

**Topic: Properties of Everyday Objects and Materials**

This topic focuses on the production of sound and on observing, exploring, describing and comparing the properties of objects and materials with which the student is familiar.

**Content Statement:** Objects and materials can be sorted and described by their properties.

- Objects can be sorted and described by the properties of the materials from which they are made. e.g., color, shape, size, temperature, odor, texture, flexibility.

**Content Statements:** Some objects and materials can be made to vibrate to produce sound.

- Touching, blowing, or tapping objects produces sound. The sounds that are produced vary depending on the properties of objects.
- Sound is produced when objects vibrate.

**PRINT RESOURCES**

*ScienceFusion*

Unit 1, Lesson 3 (TE pages 22-32)

- Big Book of Science Vocabulary (page 3)
- Science and Engineering Leveled Readers
  - On-Level/Below Level - *How Do You Do Science?*
  - Above Level - *How a Scientist Works*

Unit 6, Lesson 17 (TE pages 183-184)

Unit 8 (TE pages 248-257, 258-265, 266-273)

- Big Book of Science Vocabulary (page 23, 24)
- Science Songs CD, Track 13-14
- Picture Sorting Cards 2, 4
- Science and Engineering Leveled Readers
  - On-Level/Below Level - *What Can We Learn About Matter?*
  - Above Level - *Cooking Matter Changes It*

Unit 9, Lesson 26 (TE pages 282-289)

- Big Book of Science Vocabulary (page 26)
- Science Songs CD, Track 18

**DIGITAL RESOURCES**

*ScienceFusion*

- Unit 1, Lesson 3 Digital Lesson
- Unit 1 Virtual Lab “How Can We Use Our Senses?”
- Unit 8, Lesson 23 Digital Lesson
- Unit 8, Lesson 24 Digital Lesson
- Unit 8, Lesson 25 Digital Lesson
- Unit 8 Virtual Lab “How Can We Change Matter?”
- [Unit 9, Lesson 26 Digital Lesson](#)

**SCIENCE AND ACADEMIC VOCABULARY**

Balance, Change, Cool, Hand Lens, Heat, Matter, Measuring Cup, Ruler, Thermometer  
[Sound](#), [Vibrate](#)

**DIFFERENTIATION**

Basic (Extra Support)

- TE pages 30, 256, 264, 272
- [TE page 288](#)

Advanced (Enrichment)

- TE pages 30, 256, 264, 272
- Trade Book Reading - TE page 7, 247
- [TE page 288](#)
- [Trade Book Reading - TE page 281](#)

**FIELD EXPERIENCE CONNECTIONS**

**INQUIRY SKILLS**

- Compare
- Infer
- Measure
- Observe
- Predict
- Sequence
- Sort

**HANDS-ON INQUIRY AND APPLICATION**

- “Use Science Tools” (Flipchart page 3, TE pages 4; 29)
- “Sort Rocks” (Flipchart page 12, TE pages 174, 183)
- “Compare Objects” (Flipchart page 16, TE pages 244, 255)
- “Tell Ways to Change Objects” (Flipchart page 17, TE pages 244, 263)
- “How Does Heating Change Ice?” (TE pages 244)
- “Compare Sounds” (Flipchart page 18, TE pages 278; 287)

**ASSESSMENTS/PROGRESS MONITORING**

- Sum it Up
  - Unit 1, Lesson 3 - SE page 12, TE page 28
  - Unit 8, Lesson 23 - SE page 102, TE page 254
  - Unit 8, Lesson 24 - SE page 106, TE page 262
  - Unit 8, Lesson 25 - SE page 110, TE page 270
  - Unit 9, Lesson 26 - SE page 114, TE page 286
- Unit 1 Wrap-Up - TE page 32
- Unit 1 Performance Assessment - TE page 32
- Unit 8 Wrap Up - TE page 274
- Unit 8 Performance Assessment - TE page 274

**ACADEMIC CONNECTIONS TO OTHER DISCIPLINES**

**ELA: Journeys**

- Make Connections - TE page 30-31
  - Language Arts - Name the Science Tool
- Make Connections - TE page 257
  - Writing - Describe Heavy and Light
- Make Connections - TE page 264
  - Language Arts - Complete Sentences
- Make Connections - TE page 273
  - Language Arts - Discuss Poems About Water
- [Make Connections - TE page 288-289](#)
  - [Drama - Act Out Responses to Alarms](#)
  - [Writing - Make a Sounds Chart](#)

**JOURNEYS CONNECTIONS**

- Lesson 2, Whole Group: Read Aloud Book: Friends at School (T108)
- Lesson 9, Whole Group: Big Book: What Do Wheels Do All Day? (T323)
- Lesson 9, Small Group: Vocabulary Reader: My Bike (T363)
- Lesson 10, Whole Group: Big Book: Mouse Shapes (T417)
- Lesson 21, Whole Group: Big Book: Zin! Zin! Zin! A Violin (T41)
- Lesson 27, Whole Group: Read Aloud Book: Someone Bigger (T115)
- Lesson 29, Small Group: Vocabulary Reader: My School (T363)
- Lesson 29, Small Group: Struggling Reader: Zoom! (T368)
- Lesson 30, Small Group: Struggling Reader: *Our Class Band* (T464)

**MATH: Math Expressions**

- Make Connections - TE pages 30-31
- Math - Measure Standing Jumps
- Make Connections - TE pages 256-257
- Math - Sort By Size, Color, and Shape
- *Math Expressions Connections:*
  - Unit 1 Lesson 11: Count from 1 to 10 MX TE pages 55-58
  - Unit 2 Lesson 13: Identify Triangles MX TE pages 159-164
  - Unit 2 Lesson 17: Identify Hexagons MX TE pages 177-182
  - Unit 2 Lesson 20: Focus on Mathematical Practices MX TE pages 191-196
  - Unit 3 Lesson 10: Explore Classifying MX TE pages 263-268
  - Unit 3 Lesson 12: More Attributes: Shape, Size, and Color MX TE pages 275-280
  - Unit 3 Lesson 21: Focus on Mathematical Practices MX TE pages 317-322
  - Unit 4 Lesson 1: Numbers 1-10 and Math Stories: Grocery Store Scenario MX TE pages 329-334
- Math - Test Objects That Sink or Float
- Math - Make Nonstandard Measurements
- *Math Expressions Connections:*
  - Unit 5 Lesson 21: Compare Length and Compare Height MX TE pages 557-560
  - Unit 5 Lesson 22: Compare Weight and Capacity MX TE pages 561-564
  - Unit 5 Lesson 23: Focus on Mathematical Practices MX TE pages 317-322
- Make Connections - TE pages 264
- Math - Make Geometric Shapes
- *Math Expressions Connections:*
  - Unit 3 Lesson 9: Make New Shapes MX TE pages 253-262
- Make Connections - TE pages 272
- Math - Predict More or Less Time to Evaporate
- [Make Connections - TE pages 288](#)
- [Math - Make Water Instruments](#)
- *Math Expressions Connections:*
  - [Unit 5 Lesson 22: Compare Weight and Capacity MX TE pages 561-564](#)