**GRADE K  QUARTER 4**

**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.

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**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

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## 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
- Make Connections - TE pages 264
- Math - Make Nonstandard Measurements
  - 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 Geometric Shapes
  - 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 Water Instruments
  - Math Expressions Connections:
    - Unit 5 Lesson 22: Compare Weight and Capacity MX TE pages 561-564