### 2019-2020 Science Scope and Sequence, Grade 7

#### Quarter 1

**Unifying Concept: Life Science**

**Ecology**

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>Narrative</td>
</tr>
</tbody>
</table>

**Highly-Leveraged**

- 7.S4.C3

**Supporting**

- 7.S3.C1, C2
- 7.S1.C1, C2
- 7.S1.C3, C4
- 7.S2.C1, C2
- 7.S3.C2

**Crosscutting Concepts**

- Patterns
- Cause & Effect
- Energy & Matter

#### Quarter 2

**Unifying Concept: Earth and Space Science**

**Earth History**

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informational</td>
<td>Informative/Explanatory</td>
</tr>
</tbody>
</table>

**Highly-Leveraged**

- 7.S6.C1, C2

**Supporting**

- 7.S2.C1
- 7.S3.C1
- 7.S1.C1, C2
- 7.S1.C3, C4
- 7.S2.C2
- 7.S3.C2

**Crosscutting Concepts**

- Patterns
- Systems & System Models
- Energy & Matter

#### Quarter 3

**Unifying Concept: Earth and Space Science**

**Astronomy**

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>Argumentative</td>
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</tbody>
</table>

**Highly-Leveraged**

- 7.S6.C3

**Supporting**

- 7.S6.C1
- 7.S1.C1, C2
- 7.S1.C3, C4
- 7.S3.C2
- 7.S3.C1, C2

**Crosscutting Concepts**

- Patterns
- Systems & System Models
- Scale, Proportion, & Quantity

#### Quarter 4

**Unifying Concept: Inquiry Process**

**No Kit**

<table>
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<th>Writing Focus</th>
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</thead>
<tbody>
<tr>
<td>Informational</td>
<td>Argumentative</td>
</tr>
</tbody>
</table>

**Highly-Leveraged**

- 7.S1.C1, C2, C3, C4

**Supporting**

- 7.S4.C3
- 7.S6.C1, C2, C3
- 7.S3.C2
- 7.S3.C1, C2

**Crosscutting Concepts**

- Patterns
- Cause & Effect
- Systems & System Models
- Scale, Proportion, & Quantity

### Science & Engineering Practices – Applicable to all quarters

- Ask questions and define problems
- Develop and use models
- Plan and carry out investigations
- Analyze and interpret data
- Obtain, evaluate, and communicate information
- Obtain, evaluate, and communicate information
- Use mathematics and computational thinking
- Construct explanations and design solutions
- Engage in argument from evidence
- Use mathematics and computational thinking

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1. **Highly-Leveraged Standards** are essential knowledge and skills that are emphasized during the quarter because they have endurance (relevant throughout a student’s lifetime); leverage (used across multiple content areas); and are necessary for success in future grade levels. Mastery of these standards is measured using classroom and/or benchmark assessments.

2. **Supporting Standards** are integral to achieve grade-level mastery. Mastery of these standards is measured using classroom and/or benchmark assessments.

3. **Constant Standards** are routinely addressed to reinforce grade-level mastery.