# 2019-2020 Science Scope and Sequence, Grade 4

## Suggested Duration 11 weeks

### Unifying Concepts: Earth & Space Science and Life Science

Resource Kit: Water

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature, Informational</td>
<td>Narrative, Opinion, Informative/Explanatory</td>
</tr>
</tbody>
</table>

### 2018 Science Standards

- 4.E1U3.9
- 4.E1U2.10
- 4.L4U1.11

### Crosscutting Concepts

- Patterns
- Cause & Effect
- Systems & System Models

### Suggested Duration 2-3 weeks

### Unifying Concept: Physical Science

Resource Kit: Electric Circuits

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature, Informational</td>
<td>Narrative, Opinion, Informative/Explanatory</td>
</tr>
</tbody>
</table>

### 2018 Science Standards

- 4.P4U1.1
- 4.P4U1.2
- 4.P2U1.3
- 4.P4U3.4

### Crosscutting Concepts

- Cause & Effect
- Systems & System Models

- Energy & Matter

## Suggested Duration 11 weeks

### Unifying Concept: Earth & Space Science

Resource Kit: The Changing Earth

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature, Informational</td>
<td>Narrative, Opinion, Informative/Explanatory</td>
</tr>
</tbody>
</table>

### 2018 Science Standards

- 4.E1U1.5
- 4.E1U1.6
- 4.E1U1.7

### Crosscutting Concepts

- Cause & Effect
- Systems & System Models

- Energy & Matter
- Stability & Change

## Suggested Duration 11 weeks

### Unifying Concept: Earth & Space Science

Resource Kit: Weather (mini-kit)

<table>
<thead>
<tr>
<th>Reading Focus</th>
<th>Writing Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature, Informational</td>
<td>Narrative, Opinion, Informative/Explanatory</td>
</tr>
</tbody>
</table>

### 2018 Science Standards

- 4.E1U1.8

### Crosscutting Concepts

- Cause & Effect
- Systems & System Models

- Energy & Matter
- Stability & Change

## 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
- Use Mathematics and Computational Thinking
- Construct Explanations and Design Solutions
- Engage in Argument from Evidence
- Obtain, Evaluate and Communicate Information

## Color Key: Scope and Sequence

<table>
<thead>
<tr>
<th>Unifying Concept: Life Science</th>
<th>Unifying Concept: Physical Science</th>
<th>Unifying Concept: Earth &amp; Space Science</th>
<th>Review and Enrichment (if applicable)</th>
<th>Science &amp; Engineering Practices</th>
</tr>
</thead>
</table>

Office of Curriculum, Instruction, and Professional Development 6/28/2019