# 2019-2020 Science Scope and Sequence, Earth & Space

## Quarter 1

<table>
<thead>
<tr>
<th>Unifying Concept: Geochemical Cycles/Scientific Questions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading Focus: Literature, Informational</td>
</tr>
<tr>
<td>Writing Focus: Narrative, Informative/Explanatory</td>
</tr>
</tbody>
</table>

### 2018 Science Standards
- HS.E1U3.14

### Crosscutting Concepts
- Patterns
- Cause & Effect
- Energy & Matter
- Systems & System Models
- Structure & Function
- Stability & Change
- Scale, Proportion, & Quantity

## Quarter 2

<table>
<thead>
<tr>
<th>Unifying Concept: Earth’s Evolution/Evidence for Basis of Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading Focus: Literature, Informational</td>
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<td>Writing Focus: Narrative, Informative/Explanatory</td>
</tr>
</tbody>
</table>

### 2018 Science Standards
- HS.E1U3.12
- HS.E1U3.13

### Crosscutting Concepts
- Patterns
- Cause & Effect
- Structure & Function
- Stability & Change
- Energy & Matter
- Scale, Proportion, & Quantity
- Systems & System Models

## Quarter 3

<table>
<thead>
<tr>
<th>Unifying Concept: Weather &amp; Climate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading Focus: Literature, Informational</td>
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<tr>
<td>Writing Focus: Narrative, Informative/Explanatory</td>
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</table>

### 2018 Science Standards
- HS.E1U3.11

### Crosscutting Concepts
- Patterns
- Cause & Effect
- Energy & Matter
- Systems & System Models
- Structure & Function
- Stability & Change
- Scale, Proportion, & Quantity

## Quarter 4

<table>
<thead>
<tr>
<th>Unifying Concept: Universe</th>
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</thead>
<tbody>
<tr>
<td>Reading Focus: Literature, Informational</td>
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<tr>
<td>Writing Focus: Narrative, Informative/Explanatory</td>
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### 2018 Science Standards
- HS.E1U3.15
- HS.E1U3.16
- HS.E1U3.17

### Crosscutting Concepts
- Patterns
- Cause & Effect
- Energy & Matter
- Systems & System Models
- Structure & Function
- Stability & Change
- Scale, Proportion, & Quantity

### Science & Engineering Practices – Applicable to all quarters
- Ask questions and define problems
- Obtain, evaluate, and communicate information
- Develop and use models
- Use mathematics and computational thinking
- Plan and carry out investigations
- Construct explanations and design solutions
- Analyze and interpret data
- Engage in argument from evidence
- Obtain, evaluate, and communicate information
- Use mathematics and computational thinking