A Correlation of

Elevate Science
Life, Earth, & Physical
©2019

To

myPerspectives
Grade 7 ©2017

SAVVAS
Introduction

This document demonstrates how Elevate Science LEP ©2019 Topics and themes align to the myPerspectives Grade 7 Essential Questions. Correlation page references are to the Student and Teacher's Editions and cited at the Topic/Lesson level.

Pearson is proud to introduce Elevate Science Middle Grades – where exploration is the heart of science! Designed to address the rigors of new science standards, students will experience science up close and personal, using real-world, relevant phenomena to solve project-based problems. Our newest program prepares students for the challenges of tomorrow, building strong reasoning skills and critical thinking strategies as they engage in explorations, formulate claims, and gather and analyze data that promote evidence-based arguments. The blended print and digital curriculum covers all Next Generation Science Standards at every grade level.

Elevate Science helps teachers transform learning, promote innovation, and manage their classroom.

Transform science classrooms by immersing students in active, three-dimensional learning. Elevate Science engages students with real-world tasks, open-ended Quests, uDemonstrate performance-based labs, and in the engineering/design process with uEngineer It! investigations.

- Engineering-focused features infuse STEM learning.
- Phenomena-based activities put students at the heart of a Quest for knowledge.

Innovate learning by focusing on 21st century skills.

Students are encouraged to think, collaborate, and innovate! With Elevate Science, students explore STEM careers, experience engineering activities, and discover our scientific and technological world. The content, strategies, and resources of Elevate Science equip the science classroom for scientific inquiry and science and engineering practices.

- Problem-based learning Quests put students on a journey of discovery.
- STEM connections help integrate curriculum.
- Coding and innovation engage students and build 21st century skills.

Manage the classroom with confidence.

Teachers will lead their class in asking questions and engaging in argumentation. Evidence-based assessments provide new options for monitoring student understanding.

- Professional development offers practical point-of-use support.
- Embedded standards in the program allow for easy integration.
- ELL and differentiated instruction strategies help instructors reach every learner.
- Interdisciplinary connections relate science to other subjects.

Designed for today's classroom, preparing students for tomorrow’s world. Elevate Science promises to:

- Elevate thinking.
- Elevate learning.
- Elevate teaching.
### Unit 1: Generations

**Essential Question:** What can one generation learn from another?

<table>
<thead>
<tr>
<th>myPerspectives ©2017 myPerspectives Grade 7</th>
<th>Elevate Science ©2019 Life, Earth, &amp; Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Life, Earth, &amp; Physical</strong></td>
<td></td>
</tr>
<tr>
<td><strong>LIFE SE/TE:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Topic 4: Reproduction and Growth</strong></td>
<td></td>
</tr>
<tr>
<td>Lesson 3: Animal Behaviors for Reproduction</td>
<td></td>
</tr>
<tr>
<td><strong>Topic 8: Natural Selection and Change Over Time</strong></td>
<td></td>
</tr>
<tr>
<td>Lesson 1: Early Study of Evolution</td>
<td></td>
</tr>
<tr>
<td>Lesson 4: Evidence in the Fossil Record</td>
<td></td>
</tr>
<tr>
<td>Lesson 5: Other Evidence of Evolution</td>
<td></td>
</tr>
<tr>
<td><strong>Earth, Earth, &amp; Physical</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EARTH SE/TE:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Topic 4: Plate Tectonics</strong></td>
<td></td>
</tr>
<tr>
<td>It’s All Connected: The Slow Acceptance of Continental Drift</td>
<td></td>
</tr>
<tr>
<td><strong>Topic 5: Earth’s Surface System</strong></td>
<td></td>
</tr>
<tr>
<td>uEngineer It!: Ground Shifting Advances: Maps Help Predict</td>
<td></td>
</tr>
<tr>
<td><strong>Topic 7: Human Impacts on the Environment</strong></td>
<td></td>
</tr>
<tr>
<td>Lesson 1: Population Growth and Resource Consumption</td>
<td></td>
</tr>
<tr>
<td>Lesson 2: Air Pollution</td>
<td></td>
</tr>
<tr>
<td>Lesson 3: Impacts on Land</td>
<td></td>
</tr>
<tr>
<td>Lesson 4: Water Pollution</td>
<td></td>
</tr>
<tr>
<td><strong>Physical SE/TE:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Topic 5: Waves and Electromagnetic Radiation</strong></td>
<td></td>
</tr>
<tr>
<td>uEngineer It!: Say “Cheese!”</td>
<td></td>
</tr>
<tr>
<td><strong>Topic 7: Information Technologies</strong></td>
<td></td>
</tr>
<tr>
<td>Lesson 3: Communication and Technology</td>
<td></td>
</tr>
<tr>
<td>Extraordinary Science: Beam Me Up!</td>
<td></td>
</tr>
<tr>
<td><strong>Topic 9: Chemical Reactions</strong></td>
<td></td>
</tr>
<tr>
<td>Lesson 4: Producing Useful Materials</td>
<td></td>
</tr>
<tr>
<td>Unit 2: A Starry Home</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>-------------------</td>
</tr>
</tbody>
</table>
| **Essential Question:** Should we make a home in space? | **LIFE SE/TE:** Topic 4: Reproduction and Growth  
**uEngineer It!**: Gardening in Space  
**Earth SE/TE:**  
**Topic 12: Solar System and the Universe**  
Lesson 1: Solar System Objects  
Lesson 4: Galaxies  
Extraordinary Science: Traveling Throough the Milky Way |

<table>
<thead>
<tr>
<th>Unit 3: Turning Points</th>
<th></th>
</tr>
</thead>
</table>
| **Essential Question:** What can cause a sudden change in someone’s life? | **LIFE SE/TE:**  
**Topic 1: Living Things in the Biosphere**  
**uEngineer It!**, A Disease Becomes a Cure  
**Topic 3: Human Body Systems**  
Lesson 2: Systems Interacting  
**Topic 6: Populations, Communities, and Ecosystems**  
Lesson 2: Dynamic and Resilient Ecosystems  
**Topic 7: Genes and Heredity**  
Lesson 5: Genetic Technologies  
**EARTH SE/TE:**  
**Topic 2: Weather in the Atmosphere**  
Lesson 5: Severe Weather and Floods  
**Topic 3: Minerals and Rocks in the Geosphere**  
Case Study: Mighty Mauna Loa  
**Topic 4: Plate Tectonics**  
Lesson 3: Earthquakes and Tsunami Hazards  
Lesson 4: Volcanoes and Earth's Surface  
**Topic 5: Earth's Surface System** |
### myPerspectives ©2017
**Grade 7**

**Continued:**

**Essential Question:** What can cause a sudden change in someone’s life?

---

### Elevated Science ©2019
**Life, Earth, & Physical**

**uEngineer It!**: Ground Shifting Advances: Maps Help Predict

**Continued:**

**PHYSICAL SE/TE:**

**Topic 1: Introduction to Matter**
Case Study: An Epic Disaster

**Topic 2: Solids, Liquids, and Gasses**
Extraordinary Science: Freeze That Scalpel!

**Topic 3: Energy**
**uEngineer It!: Prosthetics on the Move**

**Topic 9: Chemical Reactions**
**uEngineer It!: Making Water Safe to Drink**

---

### Unit 4: The People and the Planet

**Essential Question:** What effects do people have on the environment?

---

### LIFE SE/TE:

**Topic 4: Reproduction and Growth**
Case Study: Warmer Waters, Fewer Fish

**Topic 5: Ecosystems**
Quest Kickoff, Check-ins, and Findings: Mystery at Pleasant Pond
**uEngineer It!: Eating Oil**
Extraordinary Science: An Appetite for Plastic?!
Case Study: The Case of the Disappearing Cerulean Warbler

**Topic 6: Populations, Communities, and Ecosystems**
Lesson 2: Dynamic and Resilient Ecosystems
Lesson 3: Biodiversity
Lesson 4: Ecosystem Services
**uEngineer It!: From Bulldozers to Biomes**

### EARTH SE/TE:

**Topic 1: Introduction to Earth’s System**
Case Study: The Case of the Shrinking Sea

---

**SE = Student Edition**

**TE = Teacher Edition**
### myPerspectives ©2017 Grade 7

Continued:  
**Essential Question:** What effects do people have on the environment?

### Elevate Science ©2019 Life, Earth, & Physical

**Topic 6: Distribution of Natural Resources**
- Lesson 1: Nonrenewable Energy Resources
- Lesson 2: Renewable Energy Resources
- Lesson 4: Water Resources
- Case Study: Phosphorus Fiasco

Continued:

**Topic 7: Human Impact on the Environment**
- Quest Kickoff, Check-Ins, Finding: Trash Backlash
- Lesson 1: Population Growth and Resource Consumption
- Lesson 2: Air Pollution
- Lesson 3: Impacts on Land
- Lesson 4: Water Pollution
- Global to Local: Working Together to Reduce Air Pollution
- Case Study: Nothing Goes to Waste

**Topic 10: Climate**
- Quest Kickoff, Check-Ins, Findings: Shrinking Your Carbon Footprint
- Lesson 2: Climate Change
- Lesson 3: Effects of Climate Change
- Case Study: The Carbon Cycle

**PHYSICAL SE/TE:**

**Topic 1: Introduction to Matter**
- Case Study: An Epic Disaster

**Topic 3: Energy**
- Case Study: U.S. Energy Consumption

**Topic 6: Electricity and Magnetism**
- Case Study: The X-57 Maxwell

**Topic 9: Chemical Reactions**
- Case Study: Is Plastic Really So Fantastic?
<table>
<thead>
<tr>
<th>myPerspectives ©2017 Grade 7</th>
<th>Elevate Science ©2019 Life, Earth, &amp; Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit 5: Facing Adversity</strong></td>
<td><strong>LIFE SE/TE:</strong></td>
</tr>
<tr>
<td><strong>Essential Question:</strong> How do we overcome obstacles?</td>
<td><strong>Topic 1: Living Things in the Biosphere</strong></td>
</tr>
<tr>
<td></td>
<td>uEngineer It!, A Disease Becomes a Cure</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 2: The Cell System</strong></td>
</tr>
<tr>
<td></td>
<td>uEngineer It!: An Artificial Leaf</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 3: Human Body Systems</strong></td>
</tr>
<tr>
<td></td>
<td>uEngineer It!: Artificial Skin</td>
</tr>
<tr>
<td></td>
<td>Case Study: Agents of Infection</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 4: Reproduction and Growth</strong></td>
</tr>
<tr>
<td></td>
<td>uEngineer It!: Gardening in Space</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 5: Ecosystems</strong></td>
</tr>
<tr>
<td></td>
<td>uEngineer It!: Eating Oil</td>
</tr>
<tr>
<td></td>
<td>Extraordinary Science: An Appetite for Plastic?!</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 6: Populations, Communities, and Ecosystems</strong></td>
</tr>
<tr>
<td></td>
<td>Lesson 1: Interactions in Ecosystems</td>
</tr>
<tr>
<td></td>
<td>Lesson 2: Dynamic and Resilient Ecosystems</td>
</tr>
<tr>
<td></td>
<td>Lesson 3: Biodiversity</td>
</tr>
<tr>
<td></td>
<td>Lesson 4: Ecosystem Services</td>
</tr>
<tr>
<td></td>
<td>uEngineer It!: From Bulldozers to Biomes</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 7: Genes and Heredity</strong></td>
</tr>
<tr>
<td></td>
<td>Lesson 5: Genetic Technologies</td>
</tr>
<tr>
<td></td>
<td>uEngineer It!: Reinventing DNA as Data Storage</td>
</tr>
<tr>
<td></td>
<td><strong>Topic 8: Natural Selection and Change over Time</strong></td>
</tr>
<tr>
<td></td>
<td>Extraordinary Science: DNA, Fossils, and Evolution</td>
</tr>
</tbody>
</table>
### Continued:

**myPerspectives ©2017 Grade 7**

**Essential Question:** How do we overcome obstacles?

---

### Continued:

**Elevate Science ©2019 Life, Earth, & Physical**

- **EARTH SE/TE:**
  - **Topic 1:** Introduction to Earth's System  
  uEngineer It!: A Daring Bridge

- **Topic 2:** Weather in the Atmosphere  
  Quest Kickoff, Check-Ins, Findings: Preparing a Plan  
  Lesson 5: Severe Weather and Floods  
  uEngineer It: Catching Water with a Net

- **Topic 4:** Plate Tectonics  
  Lesson 3: Earthquakes and Tsunami Hazards  
  Lesson 4: Volcanoes and Earth's Surface  
  uEngineer It!: Designing to Prevent Destruction

- **Topic 5:** Earth's Surface System  
  uEngineer It!: Ground Shifting Advances: Maps Help Predict

- **Topic 6:** Distribution of Natural Resources  
  Lesson 2: Renewable Energy Resources  
  Lesson 4: Water Resources  
  uEngineer It! Micro-Hydro Power

- **Topic 7:** Human Impact on the Environment  
  Lesson 1: Population Growth and Resource Consumption  
  Lesson 2: Air Pollution  
  Lesson 3: Impacts on Land  
  Lesson 4: Water Pollution  
  uEngineer It!: From Waterwater to Tapwater  
  Global to Local: Working Together to Reduce Air Pollution  
  Case Study: Nothing Goes to Waste

- **Topic 9:** Energy in the Atmosphere and Ocean  
  uEngineer It!: Windmills of the Future

- **Topic 10:** Climate  
  Lesson 3: Effects of Climate Change  
  uEngineer It!: Changing Climate Change
<table>
<thead>
<tr>
<th>myPerspectives ©2017 Grade 7</th>
<th>Elevate Science ©2019 Life, Earth, &amp; Physical</th>
</tr>
</thead>
</table>
| Continued: **Essential Question:** How do we overcome obstacles? | Continued: **Topic 11: Earth-Sun-Moon System**
| | uEngineer It!: Power from the Tides |
| **PHYSICAL SE/TE:** | **PHYSICAL SE/TE:** |
| **Topic 1: Introduction to Matter** | **Topic 1: Introduction to Matter**
| Case Study: An Epic Disaster | Case Study: An Epic Disaster |
| **Topic 3: Energy** | **Topic 3: Energy**
| uEngineer It!: Prosthetics on the Move | uEngineer It!: Prosthetics on the Move |
| **Topic 4: Thermal Energy** | **Topic 4: Thermal Energy**
| uEngineer It!: Shockwave to the Future | uEngineer It!: Shockwave to the Future |
| **Topic 9: Chemical Reactions** | **Topic 9: Chemical Reactions**
| Lesson 4: Producing Useful Materials | Lesson 4: Producing Useful Materials
| uEngineer It!: Making Water Safe to Drink | uEngineer It!: Making Water Safe to Drink |
| **Topic 10: Forces and Motion** | **Topic 10: Forces and Motion**
| Quest Kickoff, Check-Ins, Findings: Build a Better Bumper Car | Quest Kickoff, Check-Ins, Findings: Build a Better Bumper Car
| uEngineer It!: Generating Energy from Potholes | uEngineer It!: Generating Energy from Potholes
| Case Study: Finding Your Way with GPS | Case Study: Finding Your Way with GPS |

SE = Student Edition

TE = Teacher Edition