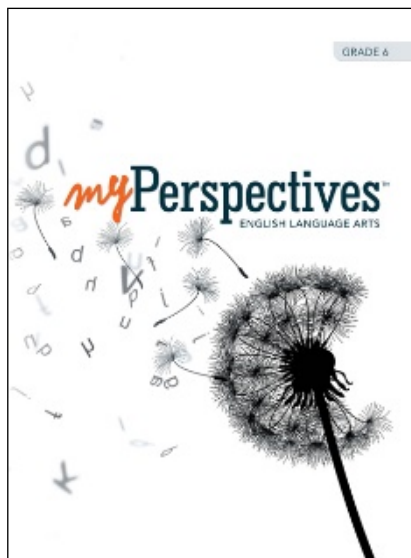
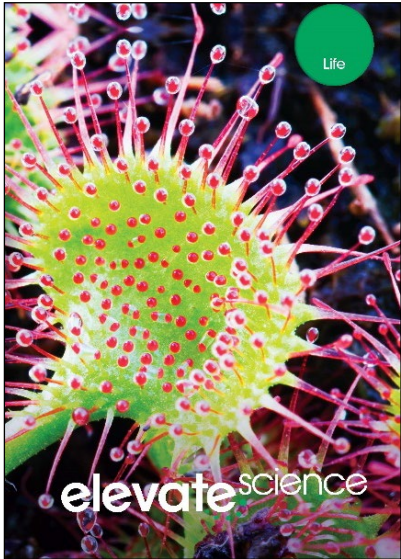


A Correlation of

# Elevate Science

Life, Earth, & Physical

©2019



To

# myPerspectives

Grade 6 ©2017

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**Introduction**

This document demonstrates how **Elevate Science LEP ©2019** Topics and themes align to the myPerspectives Grade 6 Essential Questions. Correlation page references are to the Student and Teacher's Editions and cited at the Topic/Lesson level.

Savvas 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.

- A new 3-D learning model enhances best practices.
- 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.

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<b>myPerspectives ©2017 Grade 6</b>	<b>Elevate Science ©2019 Life, Earth, &amp; Physical</b>
<b>Unit 1: Childhood</b>	
<b>Essential Question:</b> What are some of the challenges and triumphs of growing up?	<p><b>LIFE SE/TE:</b></p> <p><b>Topic 4: Reproduction and Growth</b> Lesson 4: Factors Influencing Growth</p> <p><b>Topic 7: Genes and Heredity</b> Lesson 1: Patterns of Inheritance Lesson 4: Trait Variations</p> <p><b>Topic 8: Natural Selection and Change Over Time</b> Lesson 2: Natural Selection</p>
<b>Unit 2: Animal Allies</b>	
<b>Essential Question:</b> How can people and animals relate to each other?	<p><b>LIFE SE/TE:</b></p> <p><b>Topic 4: Reproduction and Growth</b> Quest Kickoff, Check-Ins, Findings: Construction Without Destruction Case Study: Warmer Waters, Fewer Fish</p> <p><b>Topic 5: Ecosystems</b> Lesson 1: Living Things in the Environment Case Study: The Case of the Disappearing Cerulean Warbler</p> <p><b>Topic 6: Populations, Communities, and Ecosystems</b> Quest Kickoff, Check-Ins, Findings: To Cross or Not to Cross Lesson 1: Interactions in Ecosystems Lesson 2: Dynamic and Resilient Ecosystems Lesson 3: Biodiversity Lesson 4: Ecosystem Services Case Study: The Dependable Elephant</p>

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<b>Unit 3: Modern Technology</b>	
<p><b>Essential Question:</b> How is modern technology helpful and harmful to society?</p>	<p><b>LIFE SE/TE:</b>  <b>Topic 1: Living Things in the Biosphere</b>  uEngineer It!, A Disease Becomes a Cure</p> <p><b>Topic 2: The Cell System</b>  uEngineer It!: An Artificial Leaf  Extraordinary Science: Viewing cells through a “thermal lens”</p> <p><b>Topic 3: Human Body Systems</b>  uEngineer It!: Artificial Skin  Case Study: Agents of Infection</p> <p><b>Topic 4: Reproduction and Growth</b>  uEngineer It!: Gardening in Space</p> <p><b>Topic 5: Ecosystems</b>  uEngineer It!: Eating Oil  Extraordinary Science: An Appetite for Plastic?!</p> <p><b>Topic 7: Genes and Heredity</b>  Quest Kickoff, Check-Ins, Findings: Funky Fruits  Lesson 5: Genetic Technologies  uEngineer It!: Reinventing DNA as Data Storage</p> <p><b>Topic 8: Natural Selections and Change Over Time</b>  uEngineer It!: Fossils from Bedrock</p> <p><b>EARTH SE/TE:</b>  <b>Topic 1: Introduction to Earth’s System</b>  uEngineer It!: A Daring Bridge  Case Study: The Case of the Shrinking Sea</p> <p><b>Topic 2: Weather in the Atmosphere</b>  uEngineer It: Catching Water with a Net  Case Study: The Case of the Runaway Hurricane</p>

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<p>Continued: <b>Essential Question:</b> How is modern technology helpful and harmful to society?</p>	<p>Continued: <b>Topic 3: Minerals and Rocks in the Geosphere</b> uEngineer It!, Examining Earth’s Interior from Space Global to Local: The Cost of Technology</p> <p><b>Topic 4: Plate Tectonics</b> uEngineer It!: Designing to Prevent Destruction It’s All Connected: The Slow Acceptance of Continental Drift</p> <p><b>Topic 5: Earth’s Surface System</b> uEngineer It!: Ground Shifting Advances: Maps Help Predict Case Study: Buyer Beware!</p> <p><b>Topic 6: Distribution of Natural Resources</b> uEngineer It! Micro-Hydro Power Case Study: Phosphorus Fiasco It’s All Connected: The Pseudoscience of Water Dowsing</p> <p><b>Topic 7: Human Impacts on the Environment</b> 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</p> <p><b>Topic 8: History of Earth</b> uEntineer It!: Tiny Fossil, Big Accuracy Case Study: Rewriting the History of Your Food</p> <p><b>Topic 9: Energy in the Atmosphere and Ocean</b> uEngineer It!: Windmills of the Future Extraordinary Science: Measure Radiation with a Cube</p>

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<p>Continued: <b>Essential Question:</b> How is modern technology helpful and harmful to society?</p>	<p>Continued: <b>Topic 10: Climate</b> Lesson 1: Climate Factors Lesson 2: Effects of Climate Change Lesson 3: Effects of Climate Change uEngineer It!: Changing Climate Change Extraordinary Science: Urban Heat Islands</p> <p><b>Topic 11: Earth-Sun-Moon System</b> uEngineer It!: Power from the Tides</p> <p><b>Topic 12: Solar System and the Universe</b> uEngineer It!: Blast Off! Case Study: Comparing Solar System Objects Extraordinary Science: Traveling Through the Milky Way</p> <p><b>PHYSICAL SE/TE:</b> <b>Topic 1: Introduction to Matter</b> uEngineer It!: Gathering Speed with Superconductors Case Study: An Epic Disaster</p> <p><b>Topic 2: Solids, Liquids, and Gasses</b> uEngineer It!! From “Ink” to Objects: 3D Printing Extraordinary Science: Freeze That Scalpel!</p> <p><b>Topic 3: Energy</b> uEngineer It!: Prosthetics on the Move</p> <p><b>Topic 4: Thermal Energy</b> uEngineer It!: Shockwave to the Future It’s All Connected: Glassblowing Case Study: Earth Power</p> <p><b>Topic 5: Waves and Electromagnetic Radiation</b> uEngineer It!: Say “Cheese!” Case Study: Sound and Light at the Ballpark</p>

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<p>Continued: <b>Essential Question:</b> How is modern technology helpful and harmful to society?</p>	<p>Continued: <b>Topic 6: Electricity and Magnetism</b> uEngineer It!: Electromagnetism in Action Extraordinary Science: Bumblebees and Electric Flowers Case Study: The X-57 Maxwell</p> <p><b>Topic 7: Information Technologies</b> Lesson 3: Communication and Technology uEngineer It!: A Life-Saving Mistake Case Study: Super Ultra High Definition! Extraordinary Science: Beam Me Up!</p> <p><b>Topic 8: Atoms and the Periodic Table</b> uEngineer It!: When Particles Collide Case Study: Unlocking the Power of the Atom</p> <p><b>Topic 9: Chemical Reactions</b> uEngineer It!: Making Water Safe to Drink It’s All Connected: The Art of Chemical Change Case Study: Is Plastic Really So Fantastic?</p> <p><b>Topic 10: Forces and Motion</b> uEngineer It!: Generating Energy from Potholes Case Study: Finding Your Way with GPS</p>
<b>Unit 4: Imagination</b>	
<p><b>Essential Question:</b> Where can imagination lead?</p>	<p><b>LIFE SE/TE:</b></p> <p><b>Topic 1: Living Things in the Biosphere</b> uEngineer It!, A Disease Becomes a Cure</p> <p><b>Topic 2: The Cell System</b> uEngineer It!: An Artificial Leaf Extraordinary Science: Viewing Cells Through a “Thermal Lens”</p> <p><b>Topic 3: Human Body Systems</b> uEngineer It!: Artificial Skin</p> <p><b>Topic 4: Reproduction and Growth</b> uEngineer It!: Gardening in Space</p>

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<p>Continued: <b>Essential Question:</b> Where can imagination lead?</p>	<p>Continued: <b>Topic 5: Ecosystems</b> uEngineer It!: Eating Oil Extraordinary Science: An Appetite for Plastic?!</p> <p><b>Topic 6: Populations, Communities, and Ecosystems</b> uEngineer It!: From Bulldozers to Biomes</p> <p><b>Topic 7: Genes and Heredity</b> uEngineer It!: Reinventing DNA as Data Storage</p> <p><b>Topic 8: Natural Selection and Change over Time</b> Lesson 1: Early Study of Evolution uEngineer It!: Fossils from Bedrock</p> <p><b>EARTH SE/TE:</b> <b>Topic 1: Introduction to Earth’s System</b> uEngineer It!: A Daring Bridge</p> <p><b>Topic 2: Weather in the Atmosphere</b> uEngineer It: Catching Water with a Net</p> <p><b>Topic 4: Plate Tectonics</b> uEngineer It!: Designing to Prevent Destruction</p> <p><b>Topic 5: Earth’s Surface Systems</b> Quest Kickoff, Check-Ins, Findings: Ingenious Island</p> <p><b>Topic 6: Distribution of Natural Resources</b> uEngineer It! Micro-Hydro Power It’s All Connected: The Pseudoscience of Water Dowsing</p> <p><b>Topic 7: Human Impacts on the Environment</b> uEngineer It!: From Waterwater to Tapwater Case Study: Nothing Goes to Waste</p>



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<p>Continued: <b>Essential Question:</b> Where can imagination lead?</p>	<p>Continued: <b>Topic 9: Energy in the Atmosphere and Ocean</b> uEngineer It!: Windmills of the Future Extraordinary Science: Measure Radiation with a Cube</p> <p><b>Topic 10: Climate</b> uEngineer It!: Changing Climate Change</p> <p><b>Topic 11: Earth-Sun-Moon System</b> uEngineer It!: Power from the Tides Case Study: The Ptolemaic Model</p> <p><b>Topic 12: Solar System and the Universe</b> Lesson 2: Learning About the Solar System uEngineer It!: Blast Off!</p> <p><b>PHYSICAL SE/TE:</b> <b>Topic 1: Introduction to Matter</b> uEngineer It!: Gathering Speed with Superconductors</p> <p><b>Topic 2: Solids, Liquids, and Gasses</b> uEngineer It!! From “Ink” to Objects: 3D Printing Extraordinary Science: Freeze That Scalpel!</p> <p><b>Topic 3: Energy</b> uEngineer It!: Prosthetics on the Move</p> <p><b>Topic 6: Electricity and Magnetism</b> uEngineer It!: Electromagnetism in Action</p> <p><b>Topic 7: Information Technologies</b> uEngineer It!: A Life-Saving Mistake</p> <p><b>Topic 8: Atoms and the Periodic Table</b> <b>Lesson 1:</b> Atomic Theory</p>

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Continued: <b>Essential Question:</b> Where can imagination lead?	Continued: <b>Topic 9: Chemical Reactions</b> Lesson 4: Producing Useful Materials uEngineer It!: Making Water Safe to Drink It’s All Connected: The Art of Chemical Change  <b>Topic 10: Forces and Motion</b> Lesson 3: Newton’s Laws of Motion
<b>Unit 5: Exploration</b>	
<b>Essential Question:</b> What drives people to explore?	<b>LIFE SE/TE:</b> <b>Topic 4: Reproduction and Growth</b> uEngineer It!: Gardening in Space  <b>Topic 8: Natural Selection and Change over Time</b> Lesson 4: Evidence in the Fossil Record uEngineer It!: Fossils from Bedrock Extraordinary Science: DNA, Fossils, and Evolution Case Study: Could Dinosaurs Roar?  <b>EARTH SE/TE:</b> <b>Topic 2: Weather in the Atmosphere</b> Case Study: The Case of the Runaway Hurricane  <b>Topic 3: Minerals and Rocks in the Geosphere</b> uEngineer It!, Examining Earth’s Interior from Space Global to Local: The Cost of Technology Case Study: Mighty Mauna Loa  <b>Topic 4: Plate Tectonics</b> uEngineer It!: Designing to Prevent Destruction It’s All Connected: The Slow Acceptance of Continental Drift Case Study: Australia on the Move  <b>Topic 5: Earth’s Surface System</b> uEngineer It!: Ground Shifting Advances: Maps Help Predict

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<p>Continued: <b>Essential Question:</b> What drives people to explore?</p>	<p>Continued: <b>Topic 8: History of Earth</b> Quest Kickoff, Check-Ins, Findings: The Big Fossil Hunt Lesson 1: Determining the Age of Rocks Lesson 2: Geologic Time Scale Lesson 3: Major Events in Earth’s History uEngineer It!: Tiny Fossil, Big Accuracy Case Study: Rewriting the History of Your Food</p> <p><b>Topic 9: Energy in the Atmosphere and Ocean</b> Extraordinary Science: Measure Radiation with a Cube Case Study: Hurricanes in the Making</p> <p><b>Topic 10: Climate</b> Extraordinary Science: Urban Heat Islands Case Study: The Carbon Cycle</p> <p><b>Topic 11: Earth-Sun-Moon System</b> Case Study: The Ptolemaic Model It’s All Connected: Tracking Time in the Sky</p> <p><b>Topic 12: Solar System and the Universe</b> Quest Kickoff, Check-Ins, Findings: Searching for a Star Lesson 1: Solar System Objects Lesson 2: Learning About the Solar System Lesson 3: Stars Lesson 4: Galaxies uEngineer It!: Blast Off! Case Study: Comparing Solar System Objects Extraordinary Science: Traveling Through the Milky Way</p>

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<p>Continued: <b>Essential Question:</b> What drives people to explore?</p>	<p>Continued: <b>PHYSICAL SE/TE:</b> <b>Topic 3: Energy</b> Case Study: U.S. Energy Consumption</p> <p><b>Topic 4: Thermal Energy</b> Case Study: Earth Power</p> <p><b>Topic 6: Electricity and Magnetism</b> Extraordinary Science: Bumblebees and Electric Flowers Case Study: The X-57 Maxwell</p> <p><b>Topic 7: Information Technologies</b> Extraordinary Science: Beam Me Up!</p> <p><b>Topic 8: Atoms and the Periodic Table</b> uEngineer It!: When Particles Collide Extraordinary Science: Acids in the Human Body</p> <p><b>Topic 10: Forces and Motion</b> Case Study: Finding Your Way with GPS</p>