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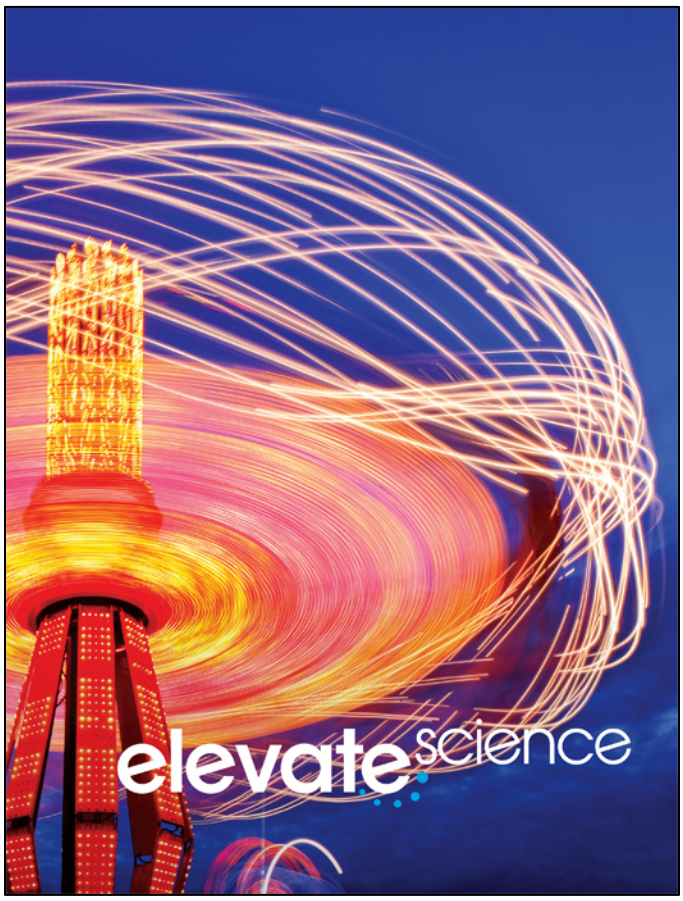
A Correlation of

Elevate Science
Grade 3 ©2019



To the

Indiana
Academic Standards for Science
Grade 3

Prepared by Savvas Learning Company, formerly Pearson K12 Learning

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to the
Indiana Academic Standards for Science, Grade 3

Introduction

The following document demonstrates how the ***Elevate Science, ©2019*** program supports the Indiana Academic Standards for Science, Grade 3. For each standard, correlation references are to the Student Edition and Teacher Edition where applicable.

Elevate Science is a comprehensive K-5 science program that focuses on active, student-centered learning. It builds students' critical thinking, questioning, and collaboration skills, and fuels interest in STEM and creative problem solving while supporting literacy development for elementary-age learners. Developed to support Next Generation Science Standards (NGSS), ***Elevate Science*** integrates three dimensional learning of the Scientific and Engineering Practices, Crosscutting Concepts (CCC), and Disciplinary Core Ideas (DCIs).

The ***Elevate Science*** blended print and digital curriculum engages students in phenomena-based inquiry and hands-on investigations.

- Problem–based learning Quests put students on a journey of discovery
- Engineering-focused features infuse STEM learning
- Coding and innovation engage students and build 21st century skills

The Teacher's Edition of ***Elevate Science*** helps elementary educators teach science with confidence: Scaffolding, ELD, differentiated instruction, and an instructional organization based upon the 5E learning model, (Engage, Explore, Explain, Extend/Elaborate, Evaluate), provide all the support needed for successful teaching practices. Professional development offers point-of-use support. A full-view approach to inquiry and testing provides new options for a variety of hands-on labs and assessments for three-dimensional learning.

Elevate Science 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 argument. 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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Indiana Academic Standards for Science Grade 3		Elevate Science Grade 3 ©2019
3.PS	Physical Science	
3.PS.1	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.	**SE/TE:** uInvestigate Lab: How can you hold up an object?, 35 Visual Literacy Connection: How can you move an object?, 36-37 Quest Check-In Lab: How can you control your flippers?, 40-41
3.PS.2	Identify types of simple machines and their uses. Investigate and build simple machines to understand how they are used.	This objective falls outside of the curriculum.
3.PS.3	Generate sound energy using a variety of materials and techniques, and recognize that it passes through solids, liquids, and gases (i.e. air).	**SE/TE:** Objective is met in Elevate Science Grade 4, Topic 1, Lesson 3: Energy Transfer
3.PS.4	Investigate and recognize properties of sound that include pitch, loudness (amplitude), and vibration as determined by the physical properties of the object making the sound.	Objective is met in Elevate Science Grade 4, Topic 2, Energy and Motion
3.ESS	Earth and Space Science	
3.ESS.1	Obtain and combine information to determine seasonal weather patterns across the different regions of the United States.	**SE/TE:** STEM Connection, 100 Weather and Seasons, 102 Lesson 2 Check, 107 Evidenced-based Assessment, 164-165 uDemonstrate Lab: What affects the climate in a region?, 166-167
3.ESS.2	Develop solutions that could be implemented to reduce the impact of weather related hazards.	**SE/TE:** How can you stop a flood? , 111 How can a roof be improved? , 116-117 Quest Findings: Hold on to your roof!, 118

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3.ESS.3	Observe the detailed characteristics of rocks and minerals. Identify and classify rocks as being composed of different combinations of minerals.	Objective is met in Elevate Science Grade 4, Topic 4, Lesson 3: Rocks, Minerals, and Soil
3.ESS.4	Determine how fossils are formed, discovered, layered over time, and used to provide evidence of the organisms and the environments in which they lived long ago.	**SE/TE:** uConnect Lab: What can a fossil tell you?, 256 uInvestigate Lab: How do minerals help form fossils?, 259 Quest Check-In: Plant, Animal, or Trace?, 266 What can fossil footprints tell you about an animal? , 269 Quest Check-In Lab: Where did those fossils come from?, 284-285 uDemonstrate Lab: What were this organism and its environment like?, 292-293
3.LS	Life Science	
3.LS.1	Analyze evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.	**SE/TE:** uInvestigate Lab: How do offspring compare to their parents?, 185 u Be a Scientist, 187 Sunlight and Plant Traits, 200 uDemonstrate Lab: How can you use evidence to support that a trait is inherited?, 208-209
3.LS.2	Plan and conduct an investigation to determine the basic needs of plants to grow, develop, and reproduce.	Objective is met in Elevate Science Grade 2, Topic 5, Lesson 1: Animal and Plant Life Cycles
3.LS.3	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.	**SE/TE:** Engineering Connection, 216 Survival in Different Habitats, 220 Evidenced-based Assessment, 248-249 uDemonstrate Lab: How well will the rabbit survive?
3.LS.4	Construct an argument that some animals form groups that help members survive.	**SE/TE:** Animal Groups, 228-229 Quest Check-In: Let's Get Together, 231

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3-5.E	Engineering	
3-5.E.1	Identify a simple problem with the design of an object that reflects a need or a want. Include criteria for success and constraints on materials, time, or cost.	**SE/TE:** uInvestigate Lab: How can you keep objects in the air?, 57 uInvestigate Lab: How can you make a magnet?, 67 uEngineer It!: Rebuilding Dinosaurs, 276-277
3-5.E.2	Construct and compare multiple plausible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	**SE/TE:** uEngineer It, 14-15 Quest Findings , 244
3-5.E.3	Construct and perform fair investigations in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	**SE/TE:** uEngineer It!: Moving Along, 74-75