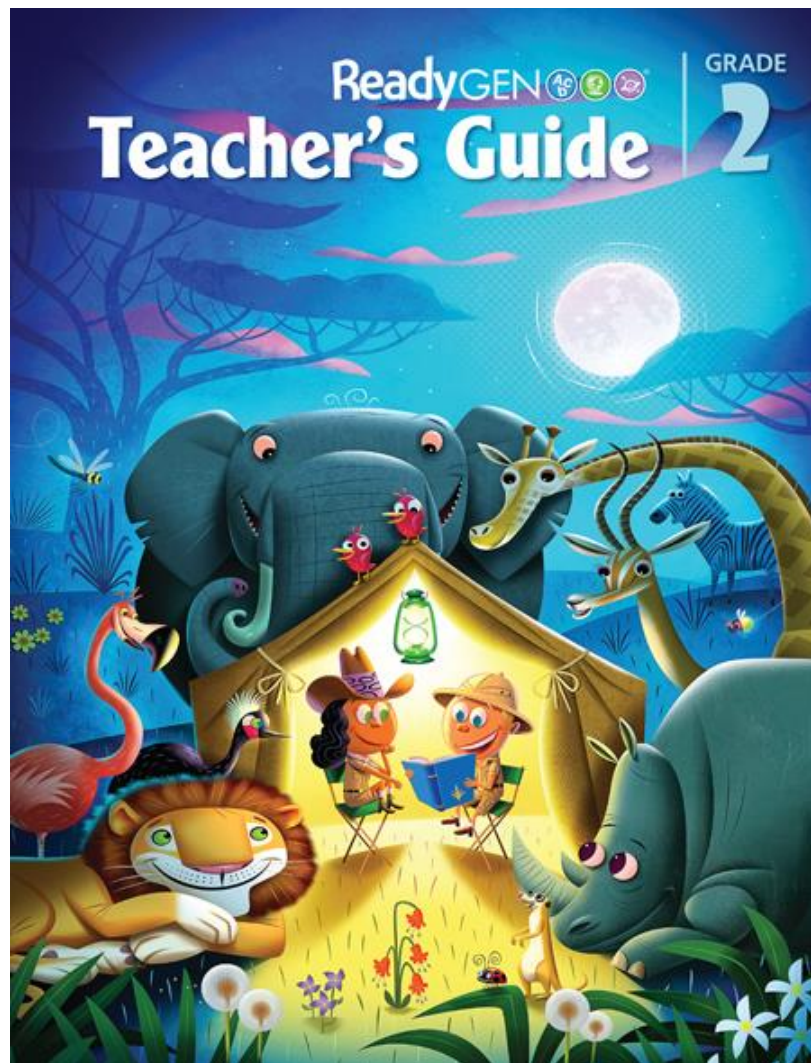


A Correlation of



to the

**Indiana Academic Science Standards
Grade 2**

A Correlation of ReadyGEN, Grade 2 to the Indiana Academic Science Standards

Introduction

This document demonstrates how *ReadyGEN* meets the *Indiana Academic Science Standards*. Correlation page references are to the Unit Module Teacher's Guides and are cited by grade, unit, module, and page references.

ReadyGEN is a K-6 integrated literacy curriculum that equips students and teachers with the tools to meet heightened literacy expectations. Authentic, rigorous text sets actively engage students, and a complete array of print and digital resources provide teachers with the support and flexibility they need.

AUTHENTIC TEXT AT THE CORE OF INSTRUCTION

- Puts a library of 12 authentic trade books in the hands of every child.

BUILT WITH THE RESULTS IN MIND

- Back-mapped for success to ensure that activities are driven by rigorous standards.

BROADENS ACCESSIBILITY TO COMPLEX TEXTS AND TASKS

- Point-of-use scaffolds, strategic support, and individualized intervention accelerates learning for all.

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Indiana Academic Science Standards	ReadyGEN Grade 2
Physical Science (PS)	
2.PS.1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	<p>Sleuth ReadyGen provides opportunities through their four-step process: Look for Clues; Ask Questions; Make Your Case; and Prove It! to conduct investigations and share their responses.</p> <p>For supporting content please see: Unit 2: Making Decisions and Unit 6: Changing the World</p>
2.PS.2 Predict the result of combining solids and liquids in pairs. Mix, observe, gather, record, and discuss evidence of whether the result may have different properties than the original materials.	<p>Teachers can discuss the role of science in their lives with the following: TG: <u>Unit 6 Changing the World</u> Module B: Lessons 1-6: Anchor Text: Alfred Nobel: The Man Behind the Peace Prize</p>
2.PS.3 Construct an argument with evidence that some changes caused by heating and cooling can be reversed and some cannot.	<p>Opportunities to address this objective may be found with the following: TG: <u>Unit 6 Changing the World</u> Module A: Lessons 1-6, 12: Anchor Text: <i>68 Ways to Save the Planet Before Bedtime</i></p> <p><u>Sleuth</u> Unit 3 Building Ideas: Gregor Mendel</p> <p><u>Leveled Text Library</u> Extreme Planets Look at Our Galaxy</p>
2.PS.4 Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.	<p>Sleuth ReadyGen provides opportunities through their four-step process: Look for Clues; Ask Questions; Make Your Case; and Prove It! to conduct investigations and share their responses.</p> <p>For supporting content please see: Super Sleuth Steps, 5</p> <p><u>Leveled Text Library</u> It's a Far Swap Smart Shopping Inventing the Telephone Great Inventions Inventions Help People A Few Nifty Inventions</p>

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Earth and Space Science (ESS)	
2.ESS.1 Record detailed weather observations, including cloud cover, cloud type, and type of precipitation on a daily basis over a period of weeks and correlate observations to the time of year. Chart and graph collected data.	<p>Sleuth ReadyGen provides opportunities through their four-step process: Look for Clues; Ask Questions; Make Your Case; and Prove It! to conduct investigations and share their responses.</p> <p>For supporting content please see: Sleuth: Unit 6: Changing the World, 46–53</p>
2.ESS.2 Investigate the severe weather of the region and its impact on the community, looking at forecasting to prepare for, and respond to, severe weather.	<p>TG: <u>Unit 1 Understanding Communities</u> Module A: Lessons 8-10: Supporting Text: <i>Snowshoe Hare's Winter Home</i> Lesson 11: <i>Something Told the Wild Geese</i> Lessons 12-13: <i>Snowshoe Hare's Winter Home</i> Module B: Lessons 1-7: Anchor Text: <i>Friends Around the World</i> Close Read: Scaffolded Instruction (discuss dangerous weather systems), 213</p> <p>Also see: <u>Unit 4 Facing Challenges and Change</u> Module B: Lessons 1-5: Anchor Text: <i>Disaster Alert!</i> Lessons 6-9: Supporting Text: <i>Danger! Earthquakes</i> Lesson 11-12: <i>Disaster Alert!</i> and <i>Danger! Earthquakes</i></p> <p><u>Leveled Text Library</u> Blizzard!</p>
2.ESS.3 Investigate how wind or water change the shape of the land and design solutions for prevention.	<p>Opportunities to complete this objective can be found with the following: TG: <u>Unit 4 Facing Challenges and Change</u> Module B: Lessons 1-5: Anchor Text: <i>Disaster Alert!</i> Lessons 6-9: Supporting Text: <i>Danger! Earthquakes</i> Lesson 11-12: <i>Disaster Alert!</i> and <i>Danger! Earthquakes</i></p> <p><u>Unit 6 Changing the World</u> Module A: Lessons 1-6, 12: Anchor Text: <i>68 Ways to Save the Planet Before Bedtime</i></p>

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2.ESS.4 Obtain information to identify where water is found on Earth and that it can be solid or liquid.	Opportunities to complete this objective can be found with the following: TG: <u>Unit 4 Facing Challenges and Change</u> Module B: Lessons 1-5: Anchor Text: <i>Disaster Alert!</i> (<i>sinkholes and floods</i>)
Life Science (LS)	
2.LS.1 Determine patterns and behavior (adaptations) of parents and offspring which help offspring to survive.	TG: <u>Unit 1 Understanding Communities</u> Module A: Lessons 8-10: Supporting Text: <i>Snowshoe Hare's Winter Home</i> <u>Unit 2 Making Decisions</u> Module B: Lessons 7-10: Supporting Text: <i>I Wanna Iguana</i> <u>Leveled Text Library</u> Big News in the Barn Webs and Other Catchers Animals Adapt Carlos Picks a Pet
2.LS.2 Compare and contrast details of body plans and structures within the life cycles of plants and animals.	Opportunities to address this objective may be found with the following: TG: <u>Unit 1 Understanding Communities</u> Module A: Lessons 8-10: Supporting Text: <i>Snowshoe Hare's Winter Home</i> <u>Leveled Text Library</u> A Garden in the City How to Grow Tomatoes A Garden for Everyone How Do Plants Grow? As Mrs. Green Thumb

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<p>2.LS.3 Classify living organisms according to variations in specific physical features (i.e. body coverings, appendages) and describe how those features may provide an advantage for survival in different environments.</p>	<p>Opportunities to address this objective may be found with the following: TG: <u>Unit 1 Understanding Communities</u> Module A: Lessons 8-10: Supporting Text: <i>Snowshoe Hare's Winter Home</i></p> <p><u>Sleuth</u> Unit 3 Building Ideas: Gregor Mendel</p> <p><u>Leveled Text Library</u> Big News in the Barn Webs and Other Catchers Animals Adapt Bear and Squirrel Nana's Herb Garden</p>
Engineering (E)	
<p>K-2.E.1 Pose questions, make observations, and obtain information about a situation people want to change. Use this data to define a simple problem that can be solved through the construction of a new or improved object or tool.</p>	<p><u>Sleuth:</u> Unit 6: Changing the World: Picking Up Sunset Park, 48–49; Making a Difference One Bag at a Time, 50–51; Wanted: Great Student Leaders! 52–53</p> <p>TG: <u>Unit 6 Changing the World</u> Module A: Lessons 1-6, 12: Anchor Text: <i>68 Ways to Save the Planet Before Bedtime</i> Module B: Lessons 1-6: Anchor Text: Alfred Nobel: The Man Behind the Peace Prize Lessons 7-10: Supporting Text: <i>A Picture Book of Eleanor Roosevelt</i> Lessons 11-12: <i>Alfred Nobel: The Man Behind the Peace Prize</i> and <i>A Picture Book of Eleanor Roosevelt</i></p> <p><u>Leveled Text Library</u> Harriet Tubman Make a Difference A Garden in the City Everyone Can Make a Difference Let's Work Together! What Can You Do?</p>

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<p>K-2.E.2 Develop a simple sketch, drawing, or physical model to illustrate and investigate how the shape of an object helps it function as needed to solve an identified problem.</p>	<p>Opportunities to address this objective may be found with the following: TG: <u>Unit 2 Making Decisions</u> Module B: Create, 284</p> <p><u>Unit 3 Building Ideas</u> Module B: Use Images to Support Writing, 188 Create (draw a picture to illustrate an explanation for a new park design), 284</p>
<p>K-2.E.3 Analyze data from the investigation of two objects constructed to solve the same problem to compare the strengths and weaknesses of how each performs.</p>	<p>Sleuth ReadyGen provides opportunities through their four-step process: Look for Clues; Ask Questions; Make Your Case; and Prove It! to conduct investigations and share their responses.</p> <p>For supporting content please see: Unit 2: Making Decisions and Unit 6: Changing the World</p>

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