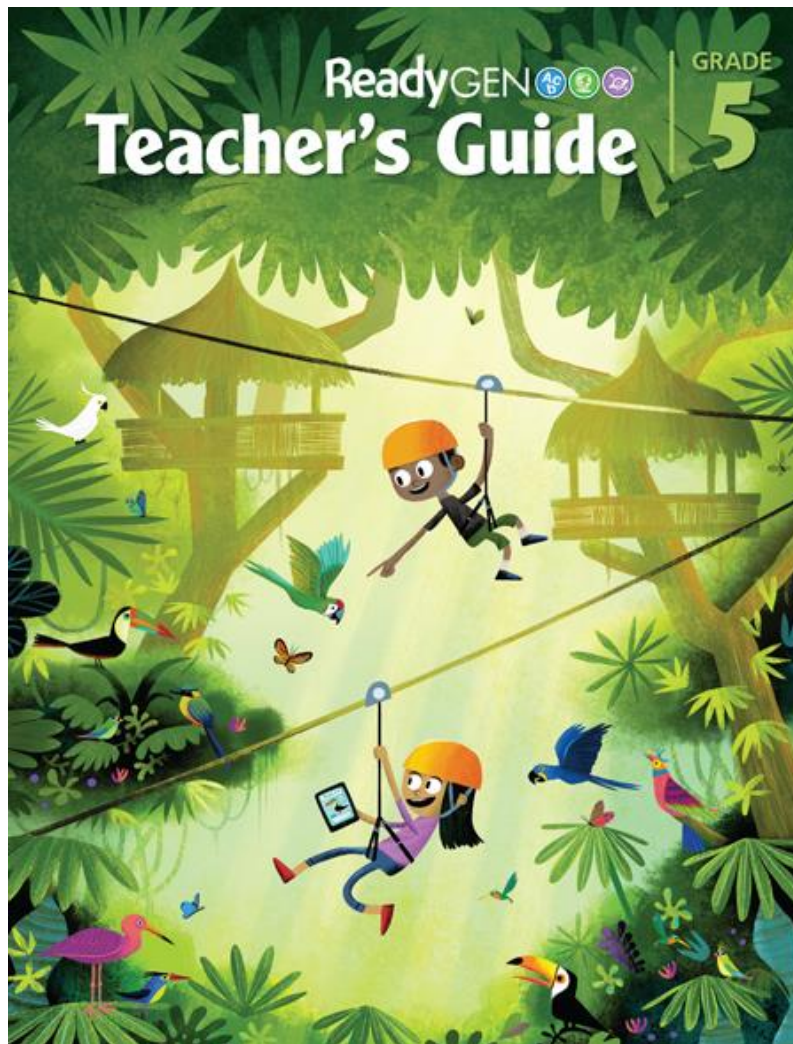


A Correlation of



to the

**Indiana Academic Science Standards  
Grade 5**

# A Correlation of ReadyGEN, Grade 5 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.

**A Correlation of ReadyGEN, Grade 5 to the  
Indiana Academic Science Standards**

Indiana Academic Science Standards	ReadyGEN Grade 5
<b>Physical Science (PS)</b>	
<b>5.PS.1</b> Describe and measure the volume and mass of a sample of a given material.	<p>Opportunities to address this objective can be found with the following:</p> <p><b>Sleuth ReadyGen</b> 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>See Unit 3 Understanding the Universe</p>
<b>5.PS.2</b> Demonstrate that regardless of how parts of an object are assembled the mass of the whole object is identical to the sum of the mass of the parts; however, the volume can differ from the sum of the volumes. (Law of Conservation of Mass)	<p>Opportunities to address this objective can be found with the following:</p> <p><b>Sleuth ReadyGen</b> 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>See Unit 3 Understanding the Universe</p>
<b>5.PS.3</b> Determine if matter has been added or lost by comparing mass when melting, freezing, or dissolving a sample of a substance. (Law of Conservation of Mass)	<p>Opportunities to address this objective can be found with the following:</p> <p><b>Sleuth ReadyGen</b> 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>See Unit 3 Understanding the Universe</p>
<b>5.PS.4</b> Describe the difference between weight being dependent on gravity and mass comprised of the amount of matter in a given substance or material.	<p>Opportunities to address this objective can be found with the following:</p> <p><b>Sleuth ReadyGen</b> 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>See Unit 3 Understanding the Universe</p> <p><b><u>Unit 3 Understanding the Universe</u></b>  <b>Module B:</b>  <b>Lessons 15-16:</b> Supporting Text: <i>A Black Hole Is NOT a Hole</i> (explores gravity)            Choose Digital Sources, 249            Choose and Research Visuals or Multimedia, 279</p>

**A Correlation of ReadyGEN, Grade 5 to the  
Indiana Academic Science Standards**

Indiana Academic Science Standards	ReadyGEN Grade 5
<b>Earth and Space Science (ESS)</b>	
<p><b>5.ESS.1</b> Analyze the scale of our solar system and its components: our solar system includes the sun, moon, seven other planets and their moons, and many other objects like asteroids and comets.</p>	<p><b>TG:</b> <b><u>Unit 3 Understanding the Universe</u></b> <b>Module A:</b> <b>Lesson 1-12:</b> Anchor Text: <i>George's Secret Key to the Universe</i> <b>Lessons 13-14:</b> Supporting Text: <i>The Man Who Went to the Far Side of the Moon</i> <b>Lesson 15:</b> <i>George's Secret Key to the Universe</i> and <i>The Man Who Went to the Far Side of the Moon</i> <b>Lesson 17:</b> <i>George's Secret Key to the Universe</i> and <i>Mayday on Moon of Jupiter</i> <b>Lesson 18:</b> <i>George's Secret Key to the Universe</i>, and <i>The Man Who Went to the Far Side of the Moon</i>, <i>Mayday on Moon of Jupiter</i> <b>Module B:</b> <b>Lessons 1-10:</b> Anchor Text: <i>Jess and Layla's Astronomical Assignment</i> <b>Lessons 11-13:</b> Supporting Text: <i>Our Mysterious Universe</i> <b>Lesson 14:</b> <i>Jess and Layla's Astronomical Assignment</i> and <i>Our Mysterious Universe</i> <b>Lessons 15-16:</b> Supporting Text: <i>A Black Hole Is NOT a Hole</i> <b>Lessons 17:</b> <i>Jess and Layla's Astronomical Assignment</i> and <i>A Black Hole Is NOT a Hole</i> <b>Lesson 18:</b> <i>Jess and Layla's Astronomical Assignment</i>, <i>Our Mysterious Universe</i>, and <i>A Black Hole Is NOT a Hole</i></p> <p><b><u>Leveled Text Library (examples)</u></b> <i>Orbiting the Sun</i> <i>Elements in Our Universe</i> <i>Earth and Its Place in Space</i></p>
<p><b>5.ESS.2</b> Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.</p>	<p><b>TG:</b> <b><u>Unit 3 Understanding the Universe</u></b> <b>Module A:</b> <b>Lesson 1-12:</b> Anchor Text: <i>George's Secret Key to the Universe</i> <b>Module B:</b> <b>Lessons 1-10:</b> Anchor Text: <i>Jess and Layla's Astronomical Assignment</i></p> <p><b><u>Leveled Text Library (examples)</u></b> <i>Orbiting the Sun</i></p>

**A Correlation of ReadyGEN, Grade 5 to the  
Indiana Academic Science Standards**

Indiana Academic Science Standards	ReadyGEN Grade 5
<p><b>5.ESS.3</b> Investigate ways individual communities within the United States protect the Earth’s resources and environment.</p>	<p><b>TG:</b>  <u><b>Unit 1 Depending on Each Other</b></u>  <b>Module A:</b>  <b>Lessons 1-11: Anchor Text:</b> <i>Night of the Spadefoot Toads</i>  <b>Lessons 12-13: Supporting Text:</b> “Shells” from <i>Every Living Thing</i>            Close Read Extension, 137            Research to Explore Theme &amp; Write a Short Story, 188–189  <b>Unit 3 Understanding the Universe</b>  <b>Module A:</b>            Strategic Support, 63</p> <p><u><b>Leveled Text Library (examples)</b></u>  <i>Sharing Our Planet</i>  <i>The Battle Over the Rain Forests</i>  <i>The Alaskan Pipeline</i>  <i>The Best Community Service Project Ever</i></p> <p><u><b>Sleuth</b></u>            Welcome to the Neighborhood, 10–11</p>
<p><b>5.ESS.4</b> Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.</p>	<p>Opportunities to address this objective can be found with the following:  <b>TG:</b>  <u><b>Unit 3 Understanding the Universe</b></u>  <b>Module A:</b>  <b>Lesson 1-12:</b> Anchor Text: <i>George's Secret Key to the Universe</i>            Strategic Support, 73</p>
<p><b>Life Science (LS)</b></p>	
<p><b>5.LS.1</b> Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.</p>	<p><b>TG:</b>  <u><b>Unit 1 Depending on Each Other</b></u>  <b>Module B:</b>  <b>Lessons 9-12, 17, 18:</b> Supporting Text: <i>Rain Forest Food Chains</i></p> <p><u><b>Leveled Text Library (examples)</b></u>  <i>The Ecosystem of Rain Forests</i></p>

**A Correlation of ReadyGEN, Grade 5 to the  
Indiana Academic Science Standards**

<b>Indiana Academic Science Standards</b>	<b>ReadyGEN Grade 5</b>
<b>5.LS.2</b> Observe and classify common Indiana organisms as producers, consumers, decomposers, or predator and prey based on their relationships and interactions with other organisms in their ecosystem.	<p>Opportunities to address this objective can be found with the following:</p> <p><b>TG:</b> <b><u>Unit 1 Depending on Each Other</u></b> <b>Module A:</b> <b>Lessons 1-11: Anchor Text:</b> <i>Night of the Spadefoot Toads</i> <b>Lessons 12-13: Supporting Text:</b> "Shells" from <i>Every Living Thing</i></p> <p><b><u>Leveled Text Library (examples)</u></b> <i>Animals of the Arctic</i> <i>Birds of a Feather</i></p>
<b>5.LS.3</b> Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.	<p>Opportunities to address this objective can be found with the following:</p> <p><b>TG:</b> <b><u>Unit 1 Depending on Each Other</u></b> <b>Module A:</b> <b>Lessons 1-11: Anchor Text:</b> <i>Night of the Spadefoot Toads</i></p> <p><b><u>Leveled Text Library (examples)</u></b> <i>Dogs on the Job</i></p>
<b>Engineering (E)</b>	
<b>3-5.E.1</b> 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.	<p>Opportunities to address this objective can be found with the following:</p> <p><b><u>Leveled Text Library (examples)</u></b> <i>Space Travel Inventions</i></p>
<b>3-5.E.2</b> 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.	<p><b>TG:</b> <b><u>Unit 3 Understanding the Universe</u></b> <b>Module A:</b> <b>Lesson 1-12, 15, 17, 18:</b> Anchor Text: <i>George's Secret Key to the Universe</i> <b>Module B:</b> <b>Lessons 1-10, 14, 17, 18:</b> Anchor Text: <i>Jess and Layla's Astronomical Assignment</i> <b>Lessons 15-16:</b> Supporting Text: <i>A Black Hole Is NOT a Hole</i></p>

**A Correlation of ReadyGEN, Grade 5 to the  
Indiana Academic Science Standards**

Indiana Academic Science Standards	ReadyGEN Grade 5
<p><b>3-5.E.3</b> 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.</p>	<p><b>TG:</b>  <u><b>Unit 3 Understanding the Universe</b></u>  <b>Module B:</b>  <b>Lessons 1-10, 14, 17, 18:</b> Anchor Text: <i>Jess and Layla's Astronomical Assignment</i></p> <p><b>Sleuth ReadyGen</b> 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>See Unit 1 Depending on Each Other; Unit 2 Finding Courage; Unit 3 Understanding the Universe; Unit 4 Exploring New Worlds</p>

Copyright ©2020 Savvas Learning Company LLC