interactive SCIENCE

INDIANA

GRADE 5

STANDARDS AND CORRELATIONS GUIDE

READING STREET

Correlations and Resources to help you use Interactive Science with your Indiana Academic Standards and your reading program.

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Dear Indiana K-5 Educators,

With an ever-changing world and a competitive 21st century workforce, today's students need a solid K–12 education to be fully prepared for their futures. The Indiana Academic Standards for Science 2016 provide a strong framework for science education that improves student achievement through a focus on inquiry-based, hands-on science that emphasizes critical thinking, and options for personalized learning. By learning to think like scientists and engage in scientific practices, students will develop and apply the 21st century skills they'll need for success in college and careers.

To successfully implement these new standards, teachers need trusted instructional materials that match the scope and sequence expectations, as well as best-in-class professional development to help adapt to this shift in science education. Yet we understand the integral relationship your science instruction needs to have with literacy, so for every day, every lesson, and for every topic, ***Interactive Science*** will help you teach, practice, and apply all the expected reading, writing, speaking and listening, vocabulary, and media literacy skills students need to be successful and proficient learners.

To show you how Pearson's ***Interactive Science*** can be integrated into your classroom and curriculum alongside other programs and disciplines, we have created grade level Planning Guides, which correlate our science program to the new Indiana Academic Standards for Science 2016, and with reading programs you may already be utilizing. The end goal is to highlight thematic connections that exist between Interactive Science and the other programs in your classroom to help you plan and build your lessons effectively and efficiently.

For more detailed product information or to learn more, please visit PearsonSchool.com/in

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TEACHING THE INDIANA STANDARDS

GRADE 5

At Pearson, we appreciate how hard you work every single day to ensure the success of your students. We've created this Indiana Teaching Guide to help you reach that goal. In this guide, you will find resources for every Physical, Earth, Life, and Engineering Practices standard at your grade level and a helpful map for using Interactive Science with your school's reading program.

In the Indiana Standards Correlation Guide, you will find a wealth of reading, inquiry, and digital resources to teach every standard at your grade level. Use it like a menu to find the perfect resources to fit into your schedule.

In our Reading Program Guide, you can see how you can seamlessly fit the resources and themes of Interactive Science into your reading program to bring more high quality non-fiction reading practice into your reading block. Remember this will also save time by addressing science standards at the same time. We know that, with everything you do for your students, it's not easy to fit everything in to your day. With this guide, we hope that you'll be able to save time and bring the wonder and fascination of science to your students.

5.PS.1 Describe and measure the volume and mass of a sample of a given material.

Reading	Inquiry	Digital
Chapter 10: Properties of Matter Pg. 412-459 Reading Skill: Compare and Contrast Vocabulary: atom, atom theory, compound, molecule, mass, volume, temperature, solid, liquid, gas, mixture, solution, physical change, chemical change Vocabulary Smart Cards: Pg. 451-454 Leveled Readers: B – Properties of Matter O – Learning About Matter A – All About Atoms Chapter Feature: Science in Your Backyard: Sidewalks and Playgrounds Pg. 450 Go Green: Aerogels Pg. 459 Social Studies and Language Arts Connection Handbook: Aristotle's View of Matter Bronze – The First Alloy	Try It Labs: How are weight and volume affected when objects are combined? Pg. 414 Explore It Labs: What are some properties of solids? Pg. 424 How can water change state? Pg. 430 How can mixtures be separated? Pg. 436 What happens when air heats up? Pg. 442 At Home Labs: Mixed-up Foods Pg. 438 Twin Balloons Pg. 444 Lightning Labs: Letters and atoms Pg. 421 Do I need a thermometer? Pg. 428 Wandering Ice Pg. 433 Comparing Apples and Lemons? Pg. 446 Investigate It Labs: Directed: What are some ways to separate mixtures? Pg. 448-449 Guided: How can a mixture of iron fillings, sand, and water be separated? TE Open: What are some other ways that you can separate a mixture? TE STEM: Higher, Faster, Farther! Up, Up, and Away! STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Match Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.PS.2 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)

Reading	Inquiry	Digital
Chapter 10: Properties of Matter Pg. 412-459 Reading Skill: Compare and Contrast Vocabulary: atom, atom theory, compound, molecule, mass, volume, temperature, solid, liquid, gas, mixture, solution, physical change, chemical change Vocabulary Smart Cards: Pg. 451-454 Leveled Readers: B – Properties of Matter O – Learning About Matter A – All About Atoms Chapter Feature: Science in Your Backyard: Sidewalks and Playgrounds Pg. 450 Go Green: Aerogels Pg. 459 Social Studies and Language Arts Connection Handbook: Aristotle's View of Matter Bronze – The First Alloy	Try It Labs: How are weight and volume affected when objects are combined? Pg. 414 Explore It Labs: What are some properties of solids? Pg. 424 How can water change state? Pg. 430 How can mixtures be separated? Pg. 436 What happens when air heats up? Pg. 442 At Home Labs: Mixed-up Foods Pg. 438 Twin Balloons Pg. 444 Lightning Labs: Letters and atoms Pg. 421 Do I need a thermometer? Pg. 428 Wandering Ice Pg. 433 Comparing Apples and Lemons? Pg. 446 Investigate It Labs: Directed: What are some ways to separate mixtures? Pg. 448-449 Guided: How can a mixture of iron fillings, sand, and water be separated? TE Open: What are some other ways that you can separate a mixture? TE STEM: Higher, Faster, Farther! Up, Up, and Away! STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.PS.3 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)

Reading	Inquiry	Digital
Chapter 10: Properties of Matter Pg. 412-459 Reading Skill: Compare and Contrast Vocabulary: atom, atom theory, compound, molecule, mass, volume, temperature, solid, liquid, gas, mixture, solution, physical change, chemical change Vocabulary Smart Cards: Pg. 451-454 Leveled Readers: B – Properties of Matter O – Learning About Matter A – All About Atoms Chapter Feature: Science in Your Backyard: Sidewalks and Playgrounds Pg. 450 Go Green: Aerogels Pg. 459 Social Studies and Language Arts Connection Handbook: Aristotle's View of Matter Bronze – The First Alloy	Try It Labs: How are weight and volume affected when objects are combined? Pg. 414 Explore It Labs: What are some properties of solids? Pg. 424 How can water change state? Pg. 430 How can mixtures be separated? Pg. 436 What happens when air heats up? Pg. 442 At Home Labs: Mixed-up Foods Pg. 438 Twin Balloons Pg. 444 Lightning Labs: Letters and atoms Pg. 421 Do I need a thermometer? Pg. 428 Wandering Ice Pg. 433 Comparing Apples and Lemons? Pg. 446 Investigate It Labs: Directed: What are some ways to separate mixtures? Pg. 448-449 Guided: How can a mixture of iron fillings, sand, and water be separated? TE Open: What are some other ways that you can separate a mixture? TE STEM: Higher, Faster, Farther! Up, Up, and Away! STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.PS.4 Describe the difference between weight being dependent on gravity and mass comprised of the amount of matter in a given substance or material.

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Chapter 10: Properties of Matter Pg. 412-459 Reading Skill: Compare and Contrast Vocabulary: atom, atom theory, compound, molecule, mass, volume, temperature, solid, liquid, gas, mixture, solution, physical change, chemical change Vocabulary Smart Cards: Pg. 451-454 Leveled Readers: B – Properties of Matter O – Learning About Matter A – All About Atoms Chapter Feature: Science in Your Backyard: Sidewalks and Playgrounds Pg. 450 Go Green: Aerogels Pg. 459 Social Studies and Language Arts Connection Handbook: Aristotle's View of Matter Bronze – The First Alloy	Try It Labs: How are weight and volume affected when objects are combined? Pg. 414 Explore It Labs: What are some properties of solids? Pg. 424 How can water change state? Pg. 430 How can mixtures be separated? Pg. 436 What happens when air heats up? Pg. 442 At Home Labs: Mixed-up Foods Pg. 438 Twin Balloons Pg. 444 Lightning Labs: Letters and atoms Pg. 421 Do I need a thermometer? Pg. 428 Wandering Ice Pg. 433 Comparing Apples and Lemons? Pg. 446 Investigate It Labs: Directed: What are some ways to separate mixtures? Pg. 448-449 Guided: How can a mixture of iron fillings, sand, and water be separated? TE Open: What are some other ways that you can separate a mixture? TE Apply It Labs: How is motion affected by mass? Program Guide Pg. 68 STEM: Higher, Faster, Farther! Up, Up, and Away! STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.ESS.1 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.

Reading	Inquiry	Digital
Chapter 9: Earth and Space Pg. 358-405 Reading Skill: Compare and Contrast Vocabulary: axis, rotation, orbit, revolution, constellation, solar flare, planet, inner planet, space probe, moon, outer planet, asteroid, comet, dwarf planet Vocabulary Smart Cards: Pg. 397-400 Leveled Readers: B – The Solar System O – The Earth's Place in Space A – Mars: The Red Planet Social Studies and Language Arts Connection Handbook: Galileo Supports Copernicus	Try It Labs: What does a spiral galaxy look like from different angles? Pg. 360 Explore It Labs: How does sunlight strike the earth's surface? Pg. 362 How does distance affect orbiting time? Pg. 374 How are the sizes of the inner and outer planets different? Pg. 382 How does a meteor fall through the earth's atmosphere? Pg. 388 At Home Labs: Meteor Shower Pg. 390 Lightning Labs: Day and Night Pg. 365 Measuring Shadows Pg. 370 Model Planets Pg. 380 Reading in the Dark Pg. 385 Investigate It Labs: Directed: How can spinning affect a planets shape? Pg. 394-395 Guided: How does the speed that a planet spins affect its shape? TE Open: How can we further explore the shapes, masses, and diameters of planets? TE Apply It Labs: How does the speed of a meteorite affect the crater it makes? Program Guide	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.ESS.2 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.

Reading	Inquiry	Digital
Chapter 9: Earth and Space Pg. 358-405 Reading Skill: Compare and Contrast Vocabulary: axis, rotation, orbit, revolution, constellation, solar flare, planet, inner planet, space probe, moon, outer planet, asteroid, comet, dwarf planet Vocabulary Smart Cards: Pg. 397-400 Leveled Readers: B – The Solar System O – The Earth's Place in Space A – Mars: The Red Planet Social Studies and Language Arts Connection Handbook: Galileo Supports Copernicus	Try It Labs: What does a spiral galaxy look like from different angles? Pg. 360 Explore It Labs: How does sunlight strike the earth's surface? Pg. 362 How does distance affect orbiting time? Pg. 374 How are the sizes of the inner and outer planets different? Pg. 382 How does a meteor fall through the earth's atmosphere? Pg. 388 At Home Labs: Meteor Shower Pg. 390 Lightning Labs: Day and Night Pg. 365 Measuring Shadows Pg. 370 Model Planets Pg. 380 Reading in the Dark Pg. 385 Investigate It Labs: Directed: How can spinning affect a planets shape? Pg. 394-395 Guided: How does the speed that a planet spins affect its shape? TE Open: How can we further explore the shapes, masses, and diameters of planets? TE Apply It Labs: How does the speed of a meteorite affect the crater it makes? Program Guide	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Science Song Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.ESS.3 Investigate ways individual communities within the United States protect the Earth's resources and environment.

Reading	Inquiry	Digital
Chapter 6: Ecosystems Pgs. 204-247 Reading Skill: Main Idea and Details Vocabulary: ecosystem, habitat, population, community, predator, prey, producer, consumer, decomposer, food chain, food web, environment, competition, pollution, conservation Vocabulary Smart Cards: Pg. 240-242 Leveled Readers: B – Diversity O – Changing Ecosystems A – Our Changing World Science Careers: Tracking Migrations Pg. 238 Go Green: Create a Compost Pile Pg. 247 Social Studies and Language Arts Connection Handbook: Bison Restoration The History of Agriculture	Try It Labs: What is in a local ecosystem? Pg. 205 Explore It Labs: What do some molds need to grow? Pg. 216 What materials break down fastest in soil? Pg. 232 At Home Labs: Eco-Walk Pg. 215 You in the Food Chain Pg. 220 Long Ago Pg. 226 Go Green Lab: Make a Brochure Pg. 234 Investigate It Labs: Directed: What heats up air? Pg. 236-237 Guided: How can you use your own carbon dioxide to test what heats up air? TE Open: How can you further explore how gasses heat up air? TE STEM: Trap and Store STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.ESS.4 Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.

Reading	Inquiry	Digital
Chapter 7: The Water Cycle and Weather Pgs. 254-299 Reading Skill: Draw Conclusions Vocabulary: water cycle, evaporation, condensation, precipitation, hydrosphere, reservoir, weather, barometric pressure, humidity, circulation, sleet, hail, climate, latitude, elevation Vocabulary Smart Cards: Pg. 291-294 Leveled Readers: B – Water on Earth O – Finding Water on Earth A – Exploring Underwater STEM: Predicting Tsunamis Pg. 290 Science in Your Backyard: Keep a Weather Journal Pg. 299 Social Studies and Language Arts Connection Handbook: Climate and the Three Gorges Dam	Try It Labs: How can water move through the water cycle? Pg. 256 Explore It Labs: What can happen when salt water evaporates? Pg. 264 How accurate are weather forecasts? Pg. 268 Does a cloud form? Pg. 276 How does a thermometer work? Pg. 282 At Home Labs: Watering Can Pg. 262 Getting Frosted Pg. 266 Running Hot and Cold Pg. 273 Rainmaker Pg. 279 Lightning Labs: Climate Zones Pg. 286 Investigate It Labs: Directed: Where is the hurricane going? Pg. 288-289 Guided: How accurately can the path of a hurricane be predicted? TE Open: How could you further explore predicting hurricanes? TE STEM: Let it Self Water! Where is the Wind Going? STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.LS.1 Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.

Reading	Inquiry	Digital
Chapter 6: Ecosystems Pgs. 204-247 Reading Skill: Main Idea and Details Vocabulary: ecosystem, habitat, population, community, predator, prey, producer, consumer, decomposer, food chain, food web, environment, competition, pollution, conservation Vocabulary Smart Cards: Pg. 240-242 Leveled Readers: B – Diversity O – Changing Ecosystems A – Our Changing World Science Careers: Tracking Migrations Pg. 238 Go Green: Create a Compost Pile Pg. 247 Social Studies and Language Arts Connection Handbook: Bison Restoration The History of Agriculture	Try It Labs: What is in a local ecosystem? Pg. 205 Explore It Labs: What do some molds need to grow? Pg. 216 What materials break down fastest in soil? Pg. 232 At Home Labs: Eco-Walk Pg. 215 You in the Food Chain Pg. 220 Long Ago Pg. 226 Go Green Labs: Make a Brochure Pg. 234 Investigate It Labs: Directed: What heats up air? Pg. 236-237 Guided: How can you use your own carbon dioxide to test what heats up air? TE Open: How can you further explore how gasses heat up air? TE STEM: Trap and Store STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Science Song Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.LS.2 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.

Reading	Inquiry	Digital
Chapter 6: Ecosystems Pgs. 204-247 Reading Skill: Main Idea and Details Vocabulary: ecosystem, habitat, population, community, predator, prey, producer, consumer, decomposer, food chain, food web, environment, competition, pollution, conservation Vocabulary Smart Cards: Pg. 240-242 Leveled Readers: B – Diversity O – Changing Ecosystems A – Our Changing World Science Careers: Tracking Migrations Pg. 238 Go Green: Create a Compost Pile Pg. 247 Social Studies and Language Arts Connection Handbook: Bison Restoration The History of Agriculture	Try It Labs: What is in a local ecosystem? Pg. 205 Explore It Labs: What do some molds need to grow? Pg. 216 What materials break down fastest in soil? Pg. 232 At Home Labs: Eco-Walk Pg. 215 You in the Food Chain Pg. 220 Long Ago Pg. 226 Go Green Labs: Make a Brochure Pg. 234 Investigate It Labs: Directed: What heats up air? Pg. 236-237 Guided: How can you use your own carbon dioxide to test what heats up air? TE Open: How can you further explore how gasses heat up air? TE STEM: Trap and Store STEM Handbook	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Science Song: Matter of Lemonade Investigate It Virtual Lab: How are objects different? My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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5.LS.3 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.

Reading	Inquiry	Digital
Chapter 5: Structure and Function Pg. 156-203 Reading Skill: Text Features Vocabulary: tissue, organ, system, circulatory system, heart, respiratory system, lungs, trachea, skeletal system, skeleton, muscles, muscular system, nervous system, brain, digestive system, stomach, intestines, excretory system, kidneys, bladder, skin Vocabulary Smart Cards: Pg. 193-198 Leveled Readers: B – Structure and Function O – The Human Body A – Let's Stay Healthy Social Studies and Language Arts Connection Handbook: Andreas Vesalius, the Father of Modern Anatomy	Try It Labs: How do parts of the body work together like a system? Pg. 158 Explore It Labs: What do you breathe out? Pg. 166 How do the parts of the skeletal system fit together? Pg. 172 What is your reaction time? Pg. 178 What can speed digestion? Pg. 184 At Home Labs: Read the Label Pg. 163 A Simple Movement Pg. 175 Chew Your Food Pg. 186 Lightning Labs: Breathe It In Pg. 168 Blink of an Eye Pg. 182 Investigate It Labs: Directed – How much air can you exhale? Pg. 190-191 Guided – Does posture affect the amount of air that can exhaled? TE Open – How could you further explore breathing? TE	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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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.

Reading	Inquiry	Digital
Chapter 2: Design and Function Pg. 44-83 Reading Skill: Main Idea and Details Vocabulary: technology, microchip, prosthetic limb, prototype, design process Vocabulary Smart Cards: Pg. 71-72 Leveled Readers: B – Design and Function O- Understanding Design and Function A – Using the Design Process Go Green: Denim Insulation Pg. 70 Big World My World: Infrared Technology Pg. 77 Social Studies and Language Arts Connections Handbook: Pyramid Engineering LEDs The First Batteries	Try It Labs: How can you design a strong glue? Pg. 46 Explore It Labs: What transport system works best? Pg. 48 How can the design of a model arm help you learn about how your arm works? Pg. 60 At Home Labs: Design Solutions Pg. 51 Technology Walk Pg. 58 Go Green Labs: Green Design Pg. 63 Investigate It Labs: Directed: How can you make and redesign a model of a robotic arm? Pg. 68-69 Guided: How can you redesign your robotic arm to pick up heavier objects? TE Open: How can a robotic arm be explored further? TE Design It Labs: How much weight can a model arm support? Pg. 78-83 STEM: Faster, Higher, Farther Filter It Out! *Also within STEM strand of all other 5th grade standards	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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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.

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Chapter 2: Design and Function Pg. 44-83 Reading Skill: Main Idea and Details Vocabulary: technology, microchip, prosthetic limb, prototype, design process Vocabulary Smart Cards: Pg. 71-72 Leveled Readers: B – Design and Function O- Understanding Design and Function A – Using the Design Process Go Green: Denim Insulation Pg. 70 Big World My World: Infrared Technology Pg. 77 Social Studies and Language Arts Connections Handbook: Pyramid Engineering LEDs The First Batteries	Try It Labs: How can you design a strong glue? Pg. 46 Explore It Labs: What transport system works best? Pg. 48 How can the design of a model arm help you learn about how your arm works? Pg. 60 At Home Labs: Design Solutions Pg. 51 Technology Walk Pg. 58 Go Green Labs: Green Design Pg. 63 Investigate It Labs: Directed: How can you make and redesign a model of a robotic arm? Pg. 68-69 Guided: How can you redesign your robotic arm to pick up heavier objects? TE Open: How can a robotic arm be explored further? TE Design It Labs: How much weight can a model arm support? Pg. 78-83 STEM: Faster, Higher, Farther Filter It Out! *Also within STEM strand of all other 5th grade standards	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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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.

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Chapter 2: Design and Function Pg. 44-83 Reading Skill: Main Idea and Details Vocabulary: technology, microchip, prosthetic limb, prototype, design process Vocabulary Smart Cards: Pg. 71-72 Leveled Readers: B – Design and Function O- Understanding Design and Function A – Using the Design Process Go Green: Denim Insulation Pg. 70 Big World My World: Infrared Technology Pg. 77 Social Studies and Language Arts Connections Handbook: Pyramid Engineering LEDs The First Batteries	Try It Labs: How can you design a strong glue? Pg. 46 Explore It Labs: What transport system works best? Pg. 48 How can the design of a model arm help you learn about how your arm works? Pg. 60 At Home Labs: Design Solutions Pg. 51 Technology Walk Pg. 58 Go Green Labs: Green Design Pg. 63 Investigate It Labs: Directed: How can you make and redesign a model of a robotic arm? Pg. 68-69 Guided: How can you redesign your robotic arm to pick up heavier objects? TE Open: How can a robotic arm be explored further? TE Design It Labs: How much weight can a model arm support? Pg. 78-83 STEM: Faster, Higher, Farther Filter It Out! *Also within STEM strand of all other 5th grade standards	Chapter Level Digital: Untamed Science Video Parts 1 & 2 Digital Vocabulary Smart Card Vocabulary Memory Math Investigate It Virtual Lab My Reading Web: Digital Leveled Readers BIG Question Writing Lesson Level Digital: My Planet Diary Web Link or Explore It Virtual Lab enVision It Learning Activity I Will Know Activity Got it! In 60 seconds Video Writing in Science Activity Got it! Digital Quiz

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READING STREET CORRELATIONS TO INTERACTIVE SCIENCE

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	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Reading Street: UNIT 1-MEETING CHALLENGES	*What inspires people to act courageously?*	*How can nature challenge us?*	*How do people survive in the wilderness?*	*How do we face personal challenges?*	*What challenges do immigrants encounter?*
Pearson Interactive Science	Social Studies Connection	**The Water Cycle and Weather pages 254-299**	Social Studies Connection	Social Studies Connection	**Growth and Survival pages 118-155 Changing Forms of Energy pages 498-538**
Reading Strategies	Monitor and Clarify	Summarize	Inferring	Questioning	Text Structure
Reading Skills	Literary Elements: Character and Plot	Cause and Effect	Literary Elements: Theme and Setting	Fact and Opinion	Cause and Effect
ScienceTarget Reading Skills		Draw Conclusions			Cause and Effect
Indiana Literacy Standard		5.RN.2.3			5.RN.2.3

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Reading Street: UNIT 2-DOING THE RIGHT THING	*Why is honesty important?*	*What are the risks in helping others?*	*What are the rewards in helping others?*	*Why do people make sacrifices?*	*How can people promote freedom?*
Pearson Interactive Science	**Earth and Space pages 358-410 Properties of Matter pages 412-459**	Social Studies Connection	**Earth and Space pages 358-410 Properties of Matter pages 412-459**	Social Studies Connection	Social Studies Connection
Reading Strategies	Visualize	Inferring	Story Structure	Monitor and Clarify	Background Knowledge
Reading Skills	Compare and Contrast	Sequence	Compare and Contrast	Author's Purpose	Author's Purpose
ScienceTarget Reading Skills	Compare and Contrast		Compare and Contrast		
Indiana Literacy Standard	5.RN.2.3		5.RN.2.3		

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Reading Street: UNIT 3-INVENTORS	*How do inventors inspire our imaginations?*	*How do artists inspire future generations?*	*How can paleontologists help us understand the past?*	*How does an artist use music to inspire others?*	*How do artists create special effects to entertain us?*
Pearson Interactive Science	Design and Function pages 44-84	**Design and Function pages 44-84 Classifying Organs pages 86-117 Ecosystems ages 204-252 Forces and Motion pages 460-497**	**Growth and Survival pages 118-155**	**Design and Function pages 44-84 Classifying Organs pages 86-117 Ecosystems pages 204-252 Forces and Motion pages 460-497**	**Design and Function pages 44-84**
Reading Strategies	Summarize	Visualize	Predict and Set Purpose	Text Structure	Important Ideas
Reading Skills	Sequence	Main Idea and Details	Fact and Opinion	Main Idea and Details	Graphic Sources
ScienceTarget Reading Skills	Main Idea and Details	Main Idea and Details	Cause and Effect	Main Idea and Details	Main Ideas and Details
Indiana Literacy Standard	5.RN.2.2	5.RN.2.2	5.RN.2.3	5.RN.2.2	5.RN.2.2

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Reading Street: UNIT 4-ADAPTING	*How do people adapt to difficult situations?*	*How do people overcome obstacles?*	*How do animals adapt to survive?*	*How do people adapt to new places?*	*Why do people try to change themselves?*
Pearson Interactive Science	**The Water Cycle and Weather pages 254-299**	Social Studies Connection	**Growth and Survival pages 118-155**	Social Studies Connection	**The Water Cycle and Weather pages 254-299**
Reading Strategies	Questioning	Predict and Set Purpose	Important Ideas	Story Structure	Visualize
Reading Skills	Draw Conclusions	Generalize	Graphic Sources	Generalize	Draw Conclusions
ScienceTarget Reading Skills	Draw Conclusions		Cause and Effect		Draw Conclusions
Indiana Literacy Standard	5.RN.2.3		5.RN.2.3		5.RN.2.3

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Reading Street: UNIT 5-ADVENTURES	*How can we find adventure in ordinary events?*	*How does technology help adventureres reach new places?*	*What is life like for an astronaut?*	*How do we explore places underground?*	*What adventures helped drive westward expansion?*
Pearson Interactive Science	Social Studies Connection	**The Nature of Science pages 2-43**	**Earth and Space pages 245-295**	**The Water Cycle and Weather pages 254-299**	Social Studies Connection
Reading Strategies	Background Knowledge	Inferring	Monitor and Clarify	Summarize	Questioning
Reading Skills	Literary Elements: Character and Plot	Graphic Sources	Author's Purpose	Cause and Effect	Generalize
ScienceTarget Reading Skills		Text Features	Compare and Contrast	Draw Conclusions	
Indiana Literacy Standard		5.RN.3.1	5.RN.2.3	5.RN.2.2	

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Reading Street: UNIT 6-THE UNEXPECTED	*How can unplanned situations have positive outcomes?*	*What unexpected effects can humans have on nature?*	*How can we learn from the results of our actions?*	*How can unexpected encounters reveal hidden dangers?*	*What unexpected influence do we have on those around us?*
Pearson Interactive Science	**Ecosystems pages 204-252**	**Ecosystems pages 204-252**	**Earth and Space pages 358-410 Properties of Matter pages 412-459**	Social Studies Connection	**Earth's Surface pages 300-357**
Reading Strategies	Important Ideas	Text Structure	Story Structure	Predict and Set Purpose	Background Knowledge
Reading Skills	Draw Conclusions	Main Idea and Details	Compare and Contrast	Fact and Opinion	Sequence
ScienceTarget Reading Skills	Main Idea and Details	Main Idea and Details	Compare and Contrast		Sequence
Indiana Literacy Standard	5.RN.2.2	5.RN.2.2	5.RN.2.3		5.RN.2.3

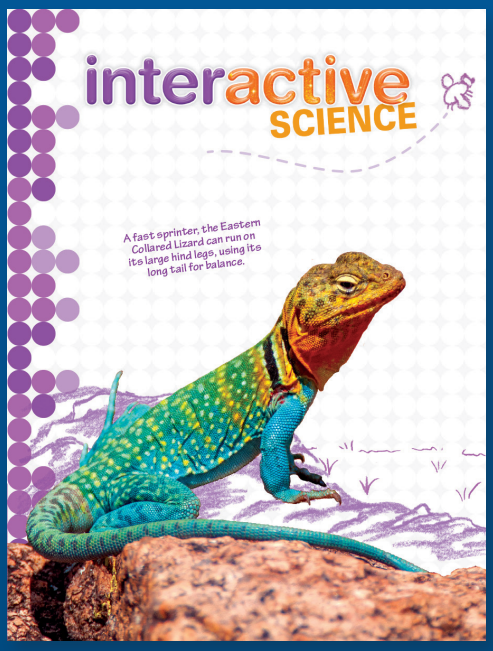
KEY

Target Reading Connection

Science Connection

interactive SCIENCE

INDIANA



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