

Ohio Science Education Standards Reading Essentials in Science Correlation

| Grade Level | Topic | Content Statements | Reading Essentials in Science Title | Guided Reading Level | Lexile | Interest Level | 6-Pack Catalog # | 6-Pack ISBN # | 6-Pack Price |
|-------------|---|--|---|----------------------|--------|-----------------|------------------|-----------------|--------------|
| Pre-K | Earth and Space Science: Observations of Nature | Weather changes every day. | <i>Weather Changes</i> | A/B | 280 | K-1 | 24153 | 978-075696212-8 | \$24.00 |
| | | Water can be observed as lakes, ponds, rivers, streams the ocean, rainfall, hail, sleet or snow. | <i>Rivers</i> | D/E | 920 | K-1 | 24824 | 978-075697173-1 | \$24.00 |
| | | Rocks and soil have properties that can help identify them. | <i>The Dirt Under Your Feet (and Fingernails)</i> | I/J | 510 | 1-2 | 24170 | 978-075696254-8 | \$30.00 |
| | Physical Science: Observations of Objects and Materials | Objects and materials are described by their properties. | <i>Soft to the Touch</i> | C/D | 330 | K-1 | 24826 | 978-075697175-5 | \$24.00 |
| | | | <i>Hot and Cold</i> | D/E | BR | K-1 | 24158 | 978-075695288-4 | \$24.00 |
| | Life Science: Observations of Living Things | There are many distinct environments in Ohio that support different kinds of organisms. Similarities and differences exist among individuals of the same kinds of plants and animals. | <i>Caves</i> | G/H | 490 | 1-2 | 24843 | 978-075697192-2 | \$30.00 |
| | | | <i>One Plant, Many Parts</i> | D/E | 280 | K-1 | 24821 | 978-075697170-0 | \$24.00 |
| | | | <i>Dogs</i> | A/B | BR | K-1 | 24150 | 978-075695280-8 | \$24.00 |
| | | | <i>This is Me</i> | C/D | BR | K-1 | 24151 | 978-075695281-5 | \$24.00 |
| | | | <i>Big and Little</i> | A/B | BR | K-1 | 24165 | 978-075695295-2 | \$24.00 |
| | | | <i>Long and Short</i> | C/D | 230 | K-1 | 24166 | 978-075696222-7 | \$24.00 |
| | <i>Which One Doesn't Belong</i> | D/E | 50 | K-1 | 24167 | 978-075696223-4 | \$24.00 | | |

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| K | Earth and Space Science: Daily and Seasonal Changes | Weather changes are long term and short term. | <i>Four Seasons</i> | D/E | 110 | K-1 | 24155 | 978-075696214-2 | \$24.00 |
| | | The moon, sun, and stars are visible at different times of the day or night. | <i>Night Sky</i> | C/D | 230 | K-1 | 24154 | 978-075696213-5 | \$24.00 |
| | | | <i>Day Sky</i> | C/D | BR | K-1 | 24823 | 978-075697172-4 | \$24.00 |
| | Physical Science: Properties of Everyday Objects and Materials | Objects and materials can be sorted and described by their properties. | <i>Sorting</i> | A/B | 60 | K-1 | 24828 | 978-075697177-9 | \$24.00 |
| | | Some objects and materials produce sound. | <i>All About Sound (Rookie Read-About Science)</i> | H | 260 | K-2 | 35140 | 978-310035140-1 | \$22.28 |
| | Life Science: Physical and Behavioral Traits of Living Things | Living things are different from nonliving things. | <i>Is it Living?</i> | A/B | BR | K-1 | 24819 | 978-075697168-7 | \$24.00 |
| Living things have physical traits and behaviors, which influence their survival. | | <i>Animals and their Babies</i> | C/D | 370 | K-1 | 24820 | 978-075697169-4 | \$24.00 | |

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| 1 | Earth and Space Science: Sun, Energy and Weather | The sun is the principal source of energy. | <i>Our Sun</i> | F/G | 490 | 1-2 | 24842 | 978-075697191-5 | \$30.00 |
| | | Physical Science: Motion and Materials | Properties of objects and materials change. | <i>Baking a Cake</i> | D/E | 460 | K-1 | 24827 | 978-075697176-2 |
| | Life Science: Basic Needs of Living Things | Objects can be moved in a variety of ways, such as straight, zigzag, circular, and back and forth. | <i>Movement</i> | A/B | 190 | K-1 | 24825 | 978-075697174-8 | \$24.00 |
| | | | <i>Needs in Nature</i> | F/G | 750 | 1-2 | 24839 | 978-075697188-5 | \$30.00 |
| | | | <i>Who Lives Here</i> | A | BR | K-1 | 27425 | 978-310027425-0 | \$29.03 |
| | <i>Growing a Pumpkin</i> | I/J | 640 | 1-2 | 24841 | 978-075697190-8 | \$30.00 | | |

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| 2 | Earth and Space Science: The Atmosphere | The atmosphere is made up of air. | <i>Can You See the Wind?</i> | G/H | 380 | 1-2 | 24169 | 978-075696253-1 | \$30.00 |
| | | Water is present in the air. | <i>Water All Around</i> | N/O | 520 | 2-3 | 24201 | 978-075696267-8 | \$36.00 |
| | | Long- and short-term weather changes occur due to changes in energy. | <i>Hurricane Fury</i> | I/J | 600 | 1-2 | 24844 | 978-075697193-9 | \$30.00 |
| | | | <i>Wild Weather</i> | J/K | 580 | 2-3 | 24203 | 978-075695287-7 | \$36.00 |
| | Physical Science: Changes in Motion | Forces change the motion of an object. | <i>Push and Pull</i> | L/M | 470 | 2-3 | 24195 | 978-075696269-2 | \$36.00 |
| | | | <i>Simple Machines</i> | N/O | 660 | 2-3 | 24198 | 978-075696270-8 | \$36.00 |
| | | Some kinds of individuals that once lived on Earth have completely disappeared, although they were something like others that are alive today. | <i>Dinosaurs</i> | J/K | 490 | 2-3 | 24209 | 978-075695298-3 | \$36.00 |

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|--|--|--|-------------------------------------|----------------------|--------|----------------|------------------|-----------------|--------------|
| 3 | Earth and Space: Earth's Resources | Earth's nonliving resources have specific properties. | <i>Amazing Mud</i> | J/K | 650 | 2-3 | 24189 | 978-075695290-7 | \$36.00 |
| | | | <i>Rocks and Minerals</i> | L/M | 850 | 2-3 | 24197 | 978-075696266-1 | \$36.00 |
| | | | <i>Diamonds</i> | N/O | 770 | 2-3 | 24212 | 978-075695326-3 | \$36.00 |
| | Physical Science: Matter and Forms of Energy | All objects and substances in the natural world are composed of matter. Matter exists in different states, each of which has different properties. Heat, electricity, light and sound are forms of energy. | <i>Matter Matters</i> | J/K | 520 | 2-3 | 24193 | 978-075696268-5 | \$36.00 |
| | | | <i>Describe It</i> | L/M | 510 | 2-3 | 24604 | 978-075696448-1 | \$36.00 |
| | | | <i>States of Matter</i> | R | 860 | 3-8 | 23243 | 978-075694986-0 | \$36.00 |
| | | | <i>Turn that Down!</i> | J/K | 610 | 2-3 | 24603 | 978-075696446-7 | \$36.00 |
| | | | <i>Larger than Life</i> | N/O | 700 | 2-3 | 24605 | 978-075696450-4 | \$36.00 |
| | | | <i>Reflection</i> | F/G | 560 | 1-2 | 24845 | 978-075697194-6 | \$30.00 |
| | | | <i>Electricity</i> | I/J | 630 | 1-2 | 24847 | 978-075697196-0 | \$30.00 |
| | | | <i>Energy</i> | I/J | 410 | 1-2 | 24171 | 978-075696257-9 | \$30.00 |
| Life Science: Behavior, Growth and Changes | Plants and animals have life cycles that are part of their adaptations for survival in their natural environments. | <i>Life Cycles of Plants and Animals</i> | U/V | 870 | 3-8 | 23237 | 978-075694992-1 | \$42.00 | |

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|-------------|--|--|-------------------------------------|----------------------|--------|----------------|------------------|-----------------|--------------|
| 4 | Earth and Space Science: Earth's Surface | Earth's surface has specific characteristics and landforms that can be identified. | <i>Water, Water Everywhere</i> | Q | 850 | 3-8 | 23205 | 978-075694927-3 | \$36.00 |
| | | The surface of Earth changes due to weathering. | <i>Air and Wind</i> | R | 770 | 3-8 | 23206 | 978-075694928-0 | \$36.00 |
| | | | <i>Earth Movements</i> | R | 820 | 3-8 | 23204 | 978-075694995-2 | \$36.00 |
| | | The surface of Earth changes due to erosion and deposition. | <i>Erosion</i> | S/T | 860 | 3-8 | 62030 | 978-075699932-2 | \$48.00 |
| | Physical Science: Electricity, Heat and Matter | The total amount of matter is conserved when it undergoes a change. | <i>States of Matter</i> | R | 860 | 3-8 | 23243 | 978-075694986-0 | \$36.00 |
| | | Heat results when substances burn, when certain kinds of materials rub against each other, and when electricity flows through wires. | <i>Electrical Circuits</i> | Q | 880 | 3-8 | 23245 | 978-075694988-4 | \$36.00 |
| | Life Science: Earth's Living History | Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful. | <i>Adaptation and Survival</i> | X | 980 | 3-8 | 62547 | 978-075694374-5 | \$54.00 |
| | | Fossils can be compared to one another and to present day organisms according to their similarities and differences. | <i>Fossils</i> | F/G | 950 | 1-2 | 24172 | 978-075696252-4 | \$30.00 |
| | | | <i>Fossils</i> | T | 950 | 3-8 | 62545 | 978-075694364-6 | \$54.00 |
| | | | <i>Geologic Time</i> | U | 880 | 3-8 | 62551 | 978-075694365-3 | \$54.00 |

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| 5 | Earth and Space Science: Cycles and Patterns in the Solar System | The solar system includes the sun and all celestial bodies that orbit the sun. Each planet in the solar system has unique characteristics. | <i>The Sun</i> | R | 780 | 3-8 | 23223 | 978-075694944-0 | \$36.00 |
| | | The sun is one of many stars that exist in the universe. | <i>The Solar System</i> | R | 800 | 3-8 | 23221 | 978-075694942-6 | \$36.00 |
| | | Most of the cycles and patterns of motion between the Earth and sun are predictable. | <i>Motion in Space</i> | J/K | 590 | 2-3 | 24602 | 978-075696444-3 | \$36.00 |
| | Physical Science: Light, Sound and Motion | The amount of change in movement of an object is based on the weight of the object and the amount of force exerted. | <i>Force and Motion</i> | R | 840 | 3-8 | 23240 | 978-075694983-9 | \$36.00 |
| | | Light and sound are forms of energy that behave in predictable ways. | <i>Light</i> | T/U | 830 | 3-8 | 62043 | 978-075699858-5 | \$48.00 |
| | | | <i>Sound</i> | U | 720 | 3-8 | 62045 | 978-075699860-8 | \$48.00 |
| | Life Science: Interactions within Ecosystems | Organisms perform a variety of roles in an ecosystem. | <i>Populations and Ecosystems</i> | W | 880 | 3-8 | 62557 | 978-075694377-6 | \$54.00 |

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| 6 | Earth and Space: Rocks, Minerals, and Soil | Igneous, metamorphic and sedimentary rocks have unique characteristics that can be used for identification and/or classification. | <i>Sedimentary Rocks</i> | T | 960 | 3-8 | 62544 | 978-075694367-7 | \$54.00 |
| | | Soil is unconsolidated material that contains nutrient matter and weathered rock. | <i>Soil Science</i> | Q/R | 820 | 3-8 | 23207 | 978-075694929-7 | \$36.00 |
| | | Rocks, minerals and soils have common and practical uses. | <i>Rocks and Minerals</i> | L/M | 850 | 2-3 | 24197 | 978-075696266-1 | \$36.00 |
| | Physical Science: Matter and Motion | All matter is made up of small particles called atoms. | <i>Atoms, Molecules, and Compounds</i> | X/Y | 980 | 3-8 | 23215 | 978-075694937-2 | \$48.00 |
| | | Changes of state are explained by a model of matter composed of atoms and/or molecules that are in motion. | <i>States of Matter</i> | R | 860 | 3-8 | 23243 | 978-075694986-0 | \$36.00 |
| | | There are two categories of energy: kinetic and potential. | <i>Motion</i> | T | 770 | 3-8 | 62044 | 978-075699859-2 | \$48.00 |
| | | An object's motion can be described by its speed and the direction in which it is moving. | <i>Fast as a Cheetah, Slow as a Sloth</i> | G/H | 560 | 1-2 | 24395 | 978-075696243-2 | \$30.00 |
| | Life Science: Cellular to Multicellular | Cells are the fundamental unit of life. | <i>Cells</i> | X | 840 | 3-8 | 62538 | 978-075694375-2 | \$54.00 |
| | | Cells carry on specific functions that sustain life. | <i>Cell Processes</i> | X | 1000 | 3-8 | 24752 | 978-075697336-0 | \$48.00 |
| | | Living systems at all levels of organization demonstrate the complementary nature of structure and function. | <i>Staying Alive, Regulation of Behavior</i> | X | 920 | 3-8 | 62558 | 978-075694378-3 | \$54.00 |

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| 7 | Earth and Space Science: Cycles and Patterns of Earth and the Moon | The hydrologic cycle illustrates the changing states of water as it moves through the lithosphere, biosphere, hydrosphere and atmosphere. | <i>The Water Cycle</i> | T | 830 | 3-8 | 62552 | 978-075694368-4 | \$54.00 |
| | | Thermal energy transfers in the ocean and the atmosphere contribute to the formation of currents, which influence global climate patterns. | <i>Seasons and Patterns</i> | Q | 880 | 3-8 | 62034 | 978-075699928-5 | \$48.00 |
| | | The atmosphere has different properties at different elevations and contains a mixture of gases that cycle through the lithosphere, biosphere, hydrosphere and atmosphere. | <i>The Earth's Atmosphere</i> | U | 970 | 3-8 | 24764 | 978-075697348-3 | \$48.00 |
| | | The relative patterns of motion and positions of the Earth, moon and sun cause solar and lunar eclipses, tides and phases of the moon. | <i>The Moon</i> | Q/R | 760 | 3-8 | 23220 | 978-075694941-9 | \$36.00 |
| | Physical Science: Conservation of Mass and Energy | The properties of matter are determined by the arrangement of atoms. | <i>Atoms, Molecules, and Compounds</i> | X/Y | 980 | 3-8 | 23215 | 978-075694937-2 | \$48.00 |
| | Life Science: Cycles of Matter and Flow of Energy | Matter is transferred continuously between one organism to another and between organisms and their physical environments. | <i>Food Chains and Webs</i> | V | 890 | 3-8 | 23235 | 978-075694979-2 | \$42.00 |
| | | | <i>Life Cycles of Plants and Animals</i> | U/V | 870 | 3-8 | 23237 | 978-075694992-1 | \$42.00 |
| | | In any particular biome, the number, growth and survival of organisms and populations depend on biotic and abiotic factors. | <i>Deserts</i> | Q | 870 | 3-8 | 62056 | 978-075699895-0 | \$48.00 |
| | | | <i>Mountains</i> | Q | 930 | 3-8 | 62057 | 978-075699896-7 | \$48.00 |
| | | | <i>Oceans</i> | Q/R | 810 | 3-8 | 62058 | 978-075699897-4 | \$48.00 |
| <i>Rivers</i> | | | Q | 920 | 3-8 | 62059 | 978-075699898-1 | \$48.00 | |
| <i>Tropical Rainforests</i> | Q | 930 | 3-8 | 62060 | 978-075699899-8 | \$48.00 | | | |

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| 8 | Earth and Space Science: Physical Earth | The composition and properties of Earth's interior are identified by the behavior of seismic waves. | <i>The Earth</i> | Q | 820 | 3-8 | 23219 | 978-075694974-7 | \$36.00 |
| | | Earth's crust consists of major and minor tectonic plates that move relative to each other. | <i>Earth Movements</i> | R | 820 | 3-8 | 23204 | 978-075694995-2 | \$36.00 |
| | | A combination of constructive and destructive geologic processes formed Earth's surface. | <i>Earthquakes</i> | U | 960 | 3-8 | 23199 | 978-075694993-8 | \$42.00 |
| | | | <i>Volcanoes</i> | T | 930 | 3-8 | 23203 | 978-075694926-6 | \$42.00 |
| | | Evidence of the dynamic changes of Earth's surface through time is found in the geologic record. | <i>Geologic Time</i> | U | 880 | 3-8 | 62551 | 978-075694365-3 | \$54.00 |
| | Physical Science: Forces and Motion | Some forces between objects act when the objects are in direct contact or when they are not touching. | <i>Magnets</i> | G/H | 680 | 1-2 | 24846 | 978-075697195-3 | \$30.00 |
| | | Forces have magnitude and direction. | <i>Newton's Law of Motion</i> | Y | 950 | 3-8 | 24770 | 978-075697354-4 | \$48.00 |
| | | | <i>Forces in Fluid</i> | Y/Z | 1030 | 3-8 | 24769 | 978-075697353-7 | \$48.00 |
| | | There are different types of potential energy. | <i>Gravity</i> | R | 860 | 3-8 | 23241 | 978-075694984-6 | \$36.00 |
| | Life Science: Species and Reproduction | Diversity of species occurs through gradual processes over many generations. Fossil records provide evidence that changes have occurred in number and types of species. | <i>Fossils</i> | T | 950 | 3-8 | 62545 | 978-075694364-6 | \$54.00 |
| | | Reproduction is necessary for the continuation of every species. | <i>Human Reproduction, Growth, and Development</i> | W | 960 | 3-8 | 24756 | 978-075697340-7 | \$48.00 |
| | | The characteristics of an organism are a result of inherited traits received from parent(s). | <i>Heredity</i> | W | 990 | 3-8 | 24754 | 978-075697338-4 | \$48.00 |

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