The Science Duo – TEKS Alignment Guide (Grade 7)

Complete Unit Bundles by TEKS Includes Lesson Plans, PowerPoint and Notes, Interactive Notebook Pages, Phenomenon and Guided Practice Activities, Literacy Articles, Independent Practice Activities, S.C.I.E.N.C.E. Stations, Task Cards, Small Group Activities, Assessments, Warm-Ups, Homework Sheets, and Exit Tickets.	
6th, 7th, and 8th Grade Pacing Guides	**Pacing Guides**
7.1C - use appropriate safety equipment and practices during laboratory, classroom, and field investigations as outlined in Texas Education Agency-approved safety standards.	**Science Lab Safety Unit Bundle**
7.6A - compare and contrast elements and compounds in terms of atoms and molecules, chemical symbols, and chemical formulas	**Elements and Compounds Unit Bundle**
7.6B - use the periodic table to identify the atoms and the number of each kind within a chemical formula	**Atoms in Chemical Formulas Unit Bundle**
7.6C - distinguish between physical and chemical changes in matter	**Physical and Chemical Changes Unit Bundle**
7.6D - describe aqueous solutions in terms of solute and solvent, concentration, and dilution	**Aqueous Solutions Unit Bundle**
7.6E - investigate and model how temperature, surface area, and agitation affect the rate of dissolution of solid solutes in aqueous solutions	**Dissolution Unit Bundle**
7.7A - calculate average speed using distance and time measurements from investigations	**Average Speed Unit Bundle**
7.7B - distinguish between speed and velocity in linear motion in terms of distance, displacement, and direction	**Speed and Velocity Unit Bundle**
7.7C - measure, record, and interpret an object's motion using distance-time graphs	**Distance vs. Time Graphs Unit Bundle**
7.7D - analyze the effect of balanced and unbalanced forces on the state of motion of an object using Newton's First Law of Motion	**Newton's 1st Law of Motion Unit Bundle**
7.8A - investigate methods of thermal energy transfer into and out of systems, including conduction, convection, and radiation	**Heat Transfer Unit Bundle**
7.8B - investigate how thermal energy moves in a predictable pattern from warmer to cooler until all substances within the system reach thermal equilibrium	**Movement of Thermal Energy Unit Bundle**
7.8C - explain the relationship between temperature and the kinetic energy of the particles within a substance	**Temperature and Kinetic Energy Unit Bundle**
7.9A - describe the physical properties, locations, and movements of the Sun, planets, moons, meteors, asteroids, comets, Kuiper belt, and Oort cloud	**Solar System Unit Bundle**
7.9B - describe how gravity governs motion within Earth's solar system	**Gravity in the Solar System Unit Bundle**
7.9C - analyze the characteristics of Earth that allow life to exist such as the proximity of the Sun, presence of water, and composition of the atmosphere	**Characteristics of Earth Unit Bundle**

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7.10A - describe the evidence that supports that Earth has changed over time, including fossil evidence, plate tectonics, and superposition	**Earth's Changes Over Time Unit Bundle**
7.10B - describe how plate tectonics causes ocean basin formation, earthquakes, mountain building, and volcanic eruptions, including supervolcanoes and hot spots	**Plate Tectonics Unit Bundle**
7.11A - analyze the beneficial and harmful influences of human activity on groundwater and surface water in a watershed	**Human Impact on Watersheds Unit Bundle**
7.11B - describe human dependence and influence on ocean systems and explain how human activities impact these systems	**Ocean Systems Unit Bundle**
7.12A - diagram the flow of energy within trophic levels and describe how the available energy decreases in successive trophic levels in energy pyramids	**Energy Flow in Ecosystems Unit Bundle**
7.12B - describe how ecosystems are sustained by the continuous flow of energy and the recycling of matter and nutrients within the biosphere	**Ecosystem Sustainability Unit Bundle**
7.13A - identify and model the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, urinary, reproductive, integumentary, nervous, immune, and endocrine systems	**Human Body Systems Unit Bundle**
7.13B - describe the hierarchical organization of cells, tissues, organs, and organ systems within plants and animals	**Levels of Organization Unit Bundle**
7.13C - compare the results of asexual and sexual reproduction of plants and animals in relation to the diversity of offspring and the changes in the population over time	**Sexual and Asexual Reproduction Unit Bundle**
7.13D - describe and give examples of how natural and artificial selection change the occurrence of traits in a population over generations	**Natural and Artificial Selection Unit Bundle**
7.14A - describe the taxonomic system that categorizes organisms based on similarities and differences shared among groups	**Taxonomy Unit Bundle**
7.14B - describe the characteristics of the recognized kingdoms and their importance in ecosystems such as bacteria aiding digestion or fungi decomposing organic matter	**Kingdoms of Life Unit Bundle**

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