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| SISD Unit Bundles of TEKS/SEs and Pacing Guide – Environmental Science 2014-2015 | | | | |
| Introduction to Environmental Science – The Dynamic Earth | | | | |
| **Estimated Time 12 days** | **TEKS**  **2E, 2G, 2K, 3A, 4C, 6A, 6C, 7D, 8A, 8B** | **Essential Skills and Concepts**  Earth as a System  Discovering Earth’s Interior  Plate Tectonics  Earthquakes  Volcanoes  Weathering and Erosion  Composition of the Atmosphere  Layers of the Atmosphere  Energy in the Atmosphere  Greenhouse Effect  Hydrosphere and Water Cycle  Earth’s Oceans  Fresh Water  Ground Water  Biosphere  Energy Flow in the Biosphere  **Academic Vocabulary**  Geosphere, Hydrosphere, Crust, Mantle, Core, Lithosphere, Asthenosphere, Tectonic Plate, Weathering, Erosion, Atmosphere, Troposphere, Stratosphere, Ozone, Radiation, Conduction, Convection, Greenhouse Effect, Water Cycle, Evaporation, Condensation, Precipitation, Salinity, Freshwater, Biosphere | **Critical Learning Activities**  Reading: The Geosphere, The Atmosphere, The Hydrosphere and Biosphere  Worksheets: Study Guide  Map Skills: Flowing Downhill  Labs: Crystal Formations, Reconstructing Landmasses, Where Do Earthquakes Happen, Finding an Epicenter, Lava Flows, | **Resources**  PowerPresentations 3.1, 3.2, 3.3, Videos, Textbook, Internet, Visuals |
| Ecology – The Organization of Life | | | | |
| **Estimated Time 11 days** | **TEKS**  **3E** | **Essential Skills and Concepts**  Defining an Ecosystem  Components of an Ecosystem  Habitats  Evolution by Natural Selections  Evolution by Artificial Selection  Evolution of Resistance  Archea and Bacteria  Fungi  Protist  Plants  Animals  **Academic Vocabulary**  Ecosystem, Biotic Factor, Abiotic Factor, Organism, Species, Population, Community, Habitat, Natural Selection, Evolution, Adaptation, Artificial Selection, Resistance, Archea, Bacteria, Fungus, Protist, Gymnosperm, Angiosperm, Invertebrate, Vertebrate. | **Critical Learning Activities**  Reading: Ecosystems: Everything is Connected, Evolution, The Diversity of Living Things  Worksheet: Study Guide  Map Skills: Park Habitat  Lab: Studying Ecosystems, Habitat Clues, Using GPS in Ecological Surveys, Plants and Pollinators, Pollen and Flower Diversity. | **Resources**  PowerPresentations: 4.1, 4.2, 4.3, Videos, Textbook, Internet, Visuals |