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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 SystemDiscovering Earth’s InteriorPlate TectonicsEarthquakesVolcanoesWeathering and ErosionComposition of the AtmosphereLayers of the AtmosphereEnergy in the AtmosphereGreenhouse EffectHydrosphere and Water CycleEarth’s OceansFresh WaterGround WaterBiosphereEnergy 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 BiosphereWorksheets: Study Guide Map Skills: Flowing DownhillLabs: 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 EcosystemComponents of an EcosystemHabitatsEvolution by Natural SelectionsEvolution by Artificial SelectionEvolution of ResistanceArchea and BacteriaFungiProtistPlantsAnimals**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 ThingsWorksheet: Study GuideMap Skills: Park HabitatLab: 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 |