

BEAUMONT INDEPENDENT SCHOOL DISTRICT
Environmental Systems(Overview)

NINE WEEKS 1	NINE WEEKS 2	NINE WEEKS 3	NINE WEEKS 4
<p><u>Science Practices</u> Safety Experimental investigations Models Data, analyzing data Tools</p> <p><u>Web Usage & Plagiarism</u> Types of Plagiarism Common knowledge Reliable Websites Primary sources Secondary sources</p> <p><u>Ecology</u> Tragedy of the Commons Ecology Types of Biomes Ecofootprint Characteristics of biomes Primary Succession Food chain Range of tolerance</p> <p><u>Earth Systems</u> Abiotic vs. biotic factors Species Organism Community Habitat Nature vs. artificial selection Components of each</p>	<p><u>Populations</u> Reproductive potential Niche Exponential growth Density Dispersion Carrying capacity Demography Age structure Demographic transition Urbanization Developed countries Developing countries Survivorship Life expectancy Arable land Potable water Biodiversity Treaty Endangered Species Act Keyston species Threatened species Habitat conservation plan Conservation Desertification Watershed</p>	<p><u>Water, Air and Land</u> Recycling of each Transformation of each Influences of change for each Ground water Surface water Wastewater Watershed Water pollution Point source pollution Nonpoint source pollution Permeability Artificial eutrophication Desalination Thermal pollution Biomagnification Acid precipitation Temperature inversion Ecosystem services Deforestation Sick-building syndrome</p> <p><u>Biogeomechanical Cycles</u> Carbon cycle Hydrologic cycle Nitrogen cycle Oxygen cycle Phosphorus cycle Rock cycle Sulfur cycle Factors causing change How each is recycled How each is transformed Humans influence</p>	<p><u>Mining and Minerals</u> How mining relates to minerals Mineral wealth vs. politics of an area Mining vs. sustainable land Usage Surface deposits Subsurface mining Smelting Reclamation Fossil fuels Renewable vs. Nonrenewable sources of energy Biomass fuel Solid waste Landfill Biodegradable Leachate Hazardous waste</p> <p><u>Our Health & Our Future</u> How the environment affects our health Short term vs. long term Effects Toxicology Risk assessment Dose-response curve Epidemiology Economics Environmental Impact Statement Lobbying</p>

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