

Subject / Course Name

| Time Frame | SOL Objective/ Competency | Essential Understandings/Questions | Essential Knowledge/Skills |
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| 1st Quarter (First 4½ Weeks) | | Introduction to Ecology/Environmental Science Analyzing Environmental Issues | Differentiate between ecology and environmental science. Examine an issue and use proper methods to develop a defendable opinion. |

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| 2nd Quarter (Second 4½ Weeks) | | Environmental Impact of Natural Disasters How Ecosystems work Biomes of the world | Discuss how natural disasters impact environmental health Describe the role each component plays in an ecosystem Differentiate between the biomes of the world and give the special characteristics of each. |

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| 3rd Quarter (Third 4½ Weeks) | | Population Crisis Consumption Crisis Endangered Species Pollution | Explain the cause and effect of overpopulation in developing and developed countries. Identify several species listed as endangered and give reasons humans should work to save them. Discuss cause and effect of pollution of |

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| | | | resources. This includes current solutions and possible future consequences. |
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| 4th Quarter (Last 4½ Weeks) | | Global Warming Landuse Food Waste Energy | Develop a supported opinion on global warming and human impact. Examine how landuse planning effects all species. Explain how food choices impact the environment. Examine how things decay in a landfill. Compare past, current and future sources of energy. |