High School Weekly Lesson Plan Template

Week of: 8/19-8/23 *for additional curriculum information, please visit the district's resource **High School Resource Guides** or Georgia Standards of Excellence	**Environmental Science**
Monday	**Standard(s):** SCSh2: Standard Safety Practices for all classroom laboratory and field investigations. **LT:** ● Students will successfully locate emergency equipment in the lab area and follow safety rules while performing labs. ● Students will be able to differentiate the steps of the scientific method. ● Students will be able to properly prepare axes to graph a line and a bar graph. **SC:** ● I can identify and use lab equipment properly to conduct a science lab. ● I can describe and identify the various components of the experimental method. ● I can identify and differentiate between the experimental and control group and the independent and dependent variable. ● I can safely perform a controlled experiment. **Lesson/Activity:** Students complete Scientific Method study guide - exam Wednesday. Students complete "Data, Graphing & Conclusions," Success Criteria evaluation. **Resources:** SM Study Guide, Data, Graphing & Conclusions document, U0 LT checklist
Tuesday	**Standard(s):** SCSh2: Standard Safety Practices for all classroom laboratory and field investigations. **LT:** ● Students will successfully locate emergency equipment in the lab area and follow safety rules while performing labs. ● Students will be able to differentiate the steps of the scientific method. ● Students will be able to properly prepare axes to graph a line and a bar graph. **SC:** ● I can identify and use lab equipment properly to conduct a science lab. ● I can describe and identify the various components of the experimental method. ● I can identify and differentiate between the experimental and control group and the independent and dependent variable.

	● I can safely perform a controlled experiment. **Lesson/Activity:** Students complete Scientific Method study guide - exam Wednesday. **Resources:** Review for exam via paper review and online quizizz
Wednesday	**Standard(s):** SCSh2: Standard Safety Practices for all classroom laboratory and field investigations. **LT:** ● Students will successfully locate emergency equipment in the lab area and follow safety rules while performing labs. ● Students will be able to differentiate the steps of the scientific method. ● Students will be able to properly prepare axes to graph a line and a bar graph. **SC:** ● I can identify and use lab equipment properly to conduct a science lab. ● I can describe and identify the various components of the experimental method. ● I can identify and differentiate between the experimental and control group and the independent and dependent variable. ● I can safely perform a controlled experiment. **Lesson/Activity:** Students complete the Scientific Method exam. Then move onto Unit 1 “Natural Resources” vocabulary and Earth Spheres activity **Resources:** Exam, vocabulary activity, Earth Spheres graphic organizer
Thursday	**Standard(s):** SEV4. Obtain, evaluate, and communicate information to analyze human impact on natural resources. a. Construct and revise a claim based on evidence on the effects of human activities on natural resources. ● Human Activities: Agriculture, Forestry, Ranching, Mining, Urbanization, Fishing, Water Use, Pollution, Desalination, Wastewater treatment ● Natural Resources: Land, Water, Air, Organisms **LT:** ● We are learning how to construct and revise a claim based on evidence on the effects of human activities on natural resources. **SC**: ● I can define and distinguish between urban and rural land. ● I can describe three major ways in which humans use land.

	● I can explain the concept of ecosystem services. **Lesson/Activity:** Pirate Prep - reflect and submit for week, 4.1 Land use notes, Ecosystem services activity **Resources:** Pirate Prep, 4.1 Land use notes, Ecosystem services activity
Friday	**Standard(s):** SEV1. Obtain, evaluate, and communicate information to investigate the flow of energy and cycling of matter within an ecosystem. c. Analyze and interpret data to construct an argument of the necessity of biogeochemical cycles (hydrologic, nitrogen, phosphorus, oxygen, and carbon) to support a sustainable ecosystem. **LT:** ● Students can list the three stages of the carbon cycle. ● Students can describe where fossil fuels are obtained and how humans impact the carbon cycle. ● Students can analyze observations as they relate to the process of fermentation. ● Students can distinguish between food sources that support fermentation and those that do not. ● Students can explain the carbon cycle in the process of fermentation. **SC:** ● I can list the three stages of the carbon cycle. ● I can describe where fossil fuels are located. ● I can identify one way that humans are affecting the carbon cycle. ● I can explain the carbon cycle in the process of fermentation. **Lesson/Activity:** Pirate prep, 4.2 Guided notes, Carbon Cycle handouts, Start Carbon Cycle Lab **Resources:** Pirate prep, 4.2 Guided notes, Carbon Cycle handouts, Start Carbon Cycle Lab