

SUSTAINABILITY

Prepared by:

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Target Group:

2nd Year Scouts and Above

Times Offered:

Two, two-hour blocks

Pre-Requisites:

none

Materials Needed—Staff:

Water Quality Test Kit
World Population Clock Totals
Endangered Species Stats- Worldwide
Colored Pencils
White board
Expo Markers

Materials Needed—Scout:

Pencil/pen
Notebook
Pre-Requisite Work

Instructional Outcomes:

Upon completion of this activity, scouts will have a basic knowledge of sustainability concepts and how to evaluate them. Sustainability concepts that will be covered will include but are not limited to water, stuff, community, food and energy. Scouts will also have a chance to talk with individuals directly involved with these areas at Camp Geiger.

MONDAY

Requirement 1:

Describe the meaning of sustainability in your own words. Explain the importance of sustainability to society and how you can contribute to fulfilling the needs of current generations without compromising the needs of future generations.

Requirement 2 Water C:

(c) Different areas of the world are affected by either too much (flooding) or too little (drought) water. Explore whether either or both affect where you live. Identify three water conservation or flood mitigation practices (successful or unsuccessful) that have been tried where you live or in an area of the world that interests you.

TUESDAY

Requirement 4 Community A:

(a) Create a sketch depicting how you would design a sustainable community and be prepared to explain how the housing, work locations, shops, schools, and transportation systems affect energy, pollution, natural resources, and the economy of the community.

This should be a long activity. Lay one of the white boards flat on the table and have the scouts draw their community. Continue to challenge their design and present possible problems that may arise.

WEDNESDAY.

Requirement 3 Food B:

(b) Identify four factors that limit the availability of food in different regions of the world. Discuss how each factor influences the sustainability of worldwide food supplies. Share three ways individuals, families, or your community can create their own food sources.

Requirement 8:

(a) On a camp out or other outdoor Scouting activity that you attend, make notes on the sustainability practices you and your fellow Scouts practice. Observe transportation, forestry, soil conservation, water resources, habitat, buildings, campsites, and sanitation. Share what you observed and learned with your counselor.

(b) Discuss with your counselor how living by the Scout Oath, Scout Law, and Outdoor Code in your daily life helps promote sustainability.

(c) Identify 5 behavioral changes that you and your family can make to improve the sustainability of your household. Share and discuss each with your counselor.

THURSDAY:

Requirement 5 Energy A:

- (a) Learn about the sustainability of different energy sources, including coal, gas, geothermal, hydro power, nuclear, petroleum, solar, and wind. Identify three common energy sources in the United States and describe how the production and consumption of each of these energy sources affects sustainability.

Requirement 7:

- (a) The United Nations lists 17 Sustainable Development Goals. These include Zero Hunger, Clean Water and Sanitation, Affordable and Clean Energy, Sustainable Cities and Community, Responsible Consumption and Production, Climate Action, Life Below Water, and Life on Land. Pick one of these eight and summarize the goal and its current and future impact on you, your family, community, and the world.
- (b) Identify how the planetary life-support systems (soil, climate, freshwater, atmospheric, nutrient, oceanic, ecosystems, and species) support life on Earth and interact with one another. Share what happens to the planet's sustainability when these systems are disrupted by natural events or human activity.

FRIDAY:

Requirement 6 Stuff A:

- (a) Create a list of 15 items of your personal "stuff." Classify each item as an essential need (such as soap) or a desirable want (such as a video game). Identify any excess "stuff" you no longer need, working with your family, if possible. Donate, re purpose, or recycle those items you can.

Requirement 9:

Learn about career opportunities in the sustainability field. Pick one and find out the education, training, and experience required. Discuss what you have learned with your counselor and explain why this career might interest you.