


Sustainability merit badge worksheet answers

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Scouts working on the Sustainability Merit Badge learn to conserve energy at home and think about how their choices about food, housing and consumption affect society as a whole. They're making a plan to use earth's resources more wisely. They are also learning how the Scout Zetas and Scout Oath promote more resilient communities. Either a sustainability merit badge or an Environmental Science badge required for the Eagle. Printable rank helps requirements: Merit printing requirements for sustainability Printed document Printing of merit for sustainability Printout sheet for sustainability labels Medal of Loyalty Merit for print designations for all scouts BSA medals Here are some more ideas and related achievements That will help you with the Sustainability Merit Medal: The Environmental Award Helps Research and Documentary Tags: Help and Ideas Dr. Bernard Harris Supernova Helps and documents the soil and merits of water conservation and merit for water conservation and merit of Thomas Edison Supernova Helps and Documents Splash! Scouts New Prize (Science) Helps and Documents January, 2020 Before you start working on other requirements for this merit badge, write in your own words the importance of sustainability. Explain how you think the conservation and management of our natural resources is related to sustainability. Hold a family meeting and ask family members to write what they think sustainability means. Don't forget to take notes. You will need this information again for requirement 5. Do the following: Water. Make A And or B OR C. Develop and implement a plan that tries to reduce your family's water use. As a family, discuss the use of water. To help discuss, if past water bills are available, you can look at a few. As a family, choose three ways to help reduce consumption. Apply these ideas for a month. Share what you're learning with your counselor and tell us how your plan has affected your family's water use. Using a diagram you have created, explain to your adviser how your household gets its clean water from a natural source and what happens to water after using it. Includes water that goes into the kitchen, bathroom, and washing channels, and any leakage from irrigation of the yard or washing the car. Say two ways to keep your family's access to clean water in the future. Discuss with your adviser two areas of the world that have been affected by drought in the last three years. For each area, the water conservation practices used (successful or unsuccessful) shall be identified. Tell me if the practice was effective and why. Discuss what conservation practice you would try and why. Foods. Make A And or B OR C. Develop and implement a plan that tries to reduce your household food waste. Establish a baseline and then track and save your results for two weeks. Report Report family and counsellor. Discuss with your counselor how individuals, families, and communities can create their own food sources (potted plants, family garden, rooftop garden, neighborhood, or community garden). Tell us how this plan can contribute to a more sustainable lifestyle if practiced globally. Discuss with your advisor factors that limit the availability of food and food production in different regions of the world. Say three ways these factors affect the sustainability of food stocks globally. Community. Do an A And or B OR C. Draw a rough sketch that shows how you would design a sustainable community. Share your sketch with your adviser and explain how housing, jobs, shops, schools, and transportation systems affect energy, pollution, natural resources, and society's economy. With the permission of your parent and your adviser approval, interview with a local architect, engineer, contractor or building materials supplier. Understand the factors that are taken into account when using sustainable materials for renovation or construction of housing. Share what you've learned with your adviser. Review the current housing needs assessment for your city, city, county, or state. Discuss with your adviser how the rate of birth and death affects enough housing and how a lack of housing (or too many homes) can affect the sustainability of a local or global area. Energy. Yes A I or B OR C. Learn about the sustainability of various energy sources, including fossil fuels, solar, wind, nuclear, hydropower and geothermal energy. Learn how the production and consumption of each of these energy sources affects the environment and what the term carbon footprint means. Discuss what you learn with your counselor and explain how you think your family can reduce your carbon footprint. Develops and implements a plan to reduce the consumption of one of the household household enterprises that consume energy, such as gas appliances, electricity, heating systems or cooling systems. Review your family's accounts for this program, reflecting usage for three months (past or current). As a family, choose three ways to help reduce consumption and be a better guardian of this resource. Apply these ideas for a month. Share what you learn with your counselor and tell how your plan has affected your family's use. Rate your family's fuel use and transportation. Review your family's transport-related bills (gasoline, diesel, electric, public transportation, etc.) reflecting usage for three months (past or present). As a family, choose three ways to help reduce consumption and be a better guardian of this resource. Apply these ideas for a month. Share what you learn with your counselor and tell how your plan has affected your transportation habits. Things. Do B OR C. Keep a diary of things on your family purchases products for two weeks. In your journal, categorize each purchase as an essential need (such as soap) or desired (as a DVD). Share what you've learned with your adviser. Plan a project that includes your family's involvement to identify your family's things that they no longer need. Complete your project by donate, re-donate, or recycle these items. Discuss with your counselor how having too many things affects you, your family, and your community. Includes the following: financial impact, time spent, maintenance, health, storage and waste. Include in the discussion the practices that can be used to avoid too many things accumulating. Do the following: Explain to your counselor how planetary life support (soil, climate, freshwater, atmospheric, nutrients, ocean, ecosystems, and species) supports life on Earth and interacts with each other. To inform how the collection or production of raw materials (by extraction or recycling), as well as the distribution of the products obtained, consumption and disposal/reuse, affects current and future thinking and sustainability planning. Check out two of the following categories. Learn to talk to your family about the two you have chosen. In your discussion, include your observations and best and worst practices. Share what you've learned with your adviser. Plastic waste. Discuss the environmental impact of plastic waste (land, water, air). Learn more about the number system for plastic recyclable materials and determine which plastics are more often recycled. Find out what's rubbish and how it was formed. Electronic waste. Select three electronic devices in your household. Find out the average life expectancy of each of them, what happens to these devices once they have passed their useful life, and whether they can be recycled in whole or in part. Discussion of the environmental impact of e-waste. Food waste. Learn more about the value of composting and how to start a compost pile. Start a compost pile suitable for your life situation. Tell us what can be done with compost when it is ready for use. The species is reduced. Explain that the term species (plant or animal) decreases. Discuss human activities that contribute to species decline, what can be done to help reverse decline and its impact on the sustainable environment. The world's population. Learn how the world's population affects the earth's resilience. Discuss three human activities that may contribute to earth's exposure to risk, now and in the future. Climate change. Find a map of the world that shows the graph of the temperature change period of at least 100 years. Share this map with your advisor and discuss three factors that scientists believe affect global weather and temperature. Discuss with your adviser three impacts of climate change and how these changes can affect the sustainability of food, water or others Do the following: After meeting requirements 1 through 4, make a family meeting. Discuss what your family has learned about what it means to be a resilient citizen. Talk about the changes in behavior and life choices your family can make to live more sustainably. Share what you've learned with your adviser. Discuss with your counselor how living according to Scout's Oath and Scout law in everyday life helps you promote sustainability and good stewardship. Learn more about career opportunities in the field of sustainable development. Choose one and understand the required education, training and experience. Discuss what you have learned with your counselor and explain why this career might interest you. Comments on the Sustainable Development Worksheet: August 27, 2013 - Darla Cooks this is now a necessary badge of merit and when does it take effect? August 27, 2013 - Scout Paul@Darla - Sustainability is available now and is a badge of merit required by Eagle. A scout must complete either sustainability or environmental science to win Eagle. Oct 07, 2013 - Stephen Harris Just signed up as a merit adviser for this new merit badge and I want to thank you for putting it on your website. I have the new book, but having requirements available allows me to search for it online and start preparing it before I meet him. November 22, 2013 - Does Pat Monroe Have a workbook for this badge? 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