

Pathway: _____ *Earth Day (is every day)* _____

This pathway takes about 4 – 6 hours to complete (depending on the size and attention of your group).
The activities are fun and engaging. These activities lean toward training in

Place to visit	Activity	Signature
Model Campsite Area	Mark off a plot of 4 square yards in each study area and count the number of species found there. Estimate how much space is occupied by each plant species and the type and number of non-plant species you find. Write a report that adequately discusses the biodiversity and population density of these study areas.	E-Sci Req. 4a.
Axe Yard	Make an erosion bar from a tree that you found. Limb the tree, use a draw knife, and prepare the log to be used as an erosion bar. Install the erosion bar where you see it is needed with the help of an adult.	
Indian Village	Mark off a plot of 4 square yards in each study area and count the number of species found there. Estimate how much space is occupied by each plant species and the type and number of non-plant species you find. Write a report that adequately discusses the biodiversity and population density of these study areas.	E-Sci Req. 4a.
Ecology – STEM – Nature Hike	Using photographs or illustrations, point out the differences between a drone and a worker bee. Discuss the stages of bee development (eggs, larvae, pupae). Explain the pollination process, and what propolis is and how it is used by honey bees. Tell how bees make honey and beeswax, and how both are harvested. Explain the part played in the life of the hive by the queen, the drones, and the workers.	E-Sci Req. 3g. #1
Pioneering / Scoutcraft area	Participate in a conservation project as a part of an approved Scouting program of at least 3 hours. Have it address a conservation need that is common in one or more country.	World Conservation Award
STEM Maker’s Space	Describe how paper is made. Discuss how paper is recycled. Make a sheet of paper by hand.	Pulp & Paper MB Req. 4
Behind Egan Center – Bee Hives	Hive a swarm OR divide at least one colony of honey bees. Explain how a hive is constructed. Present to your counselor a one-page report on how and why honey bees are used in pollinating food crops. In your report, discuss the problems faced by the bee population today, and the impact to humanity if there were no pollinators. Share your report with your troop or patrol, your class at school, or another group approved by your counselor.	E-Sci Req 3g. #3
Outdoor Cooking	Discuss with your counselor the ways individuals, families, and communities can create their own food sources (potted plants, family garden, rooftop garden, neighborhood or community garden). Tell how this plan might contribute to a more sustainable way of life if practiced globally.	Sustainability MB Req. 2 FOOD B.
STEM Room	Explain to your counselor how the planetary life-support systems (soil, climate, freshwater, atmospheric, nutrient, oceanic, ecosystems, and species) support life on Earth and interact with one another.	Sustainability MB Req. 3a.

Family / Den / Patrol Name: _____

Scout Book: the code to the right will help parents and leaders find the age appropriate requirements for various badges. By the time a Scout completes the trail, they will have checked off several requirements and earned a % of their way toward Eagle.

On and off the trail: Feel free to jump on or off the trail to follow the interests of your child / Scout.

Important Note to Parents: PLAY! The camp is designed for you too. Your Scout or child's highlight will be participating WITH you.

If you enjoyed this pathway, try: Ancient Earth Pathway

