



4-H Earth Is Our Home Activity



Summary of Learning Outcomes

Activity	Project Skill	Life Skill	Educational Standard*	Success Indicator
1. Choose to Reduce, Reuse, and Recycle	Learning to reduce, reuse, and recycle	Being a responsible citizen	NGSS 5-ESS3-1. Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.	Sorts pictures of items by reduce, reuse, and recycle
2. Easy Bean Babies	Identifying seed parts and germinating lima bean seeds	Understanding systems	NGSS MS-LS1-4. Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.	Identifies seed parts and germinates lima bean seeds
3. Healthy Plant Are Our Bees-ness	Demonstrating the process of pollination	Understanding systems	NGSS 2-LS2-2. Develop a model that mimics the function of an animal in dispersing seeds or pollinating plants.	Builds a model for pollination using candy and cheese puffs
4. Ice Cores: A Layer Cake of Snow	Understanding how scientists learn about Earth's poles	Understanding systems	NGSS 3-LS4-1. Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.	Makes a model of an ice core
5. Soilology: Do You Dig It?	Understanding decomposition as part of the food web	Understanding systems	NGSS 5-LS2-1. Develop a model to describe the movement of matter among, animals, decomposers, and the environment.	Builds composting jar
6. Start with Reduce and Reuse	Understanding sources of waste	Being a responsible citizen	NGSS 5-ESS3-1. Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.	Graphs sources of waste and identifies ways to reduce waste at home

* The educational standards cited here are from the Next Generation Science Standards (NGSS). Complete information about each performance indicator is available at nextgenscience.org.

