

NATURAL SCIENCE INVESTIGATIONS

FALL 2020 HOME STUDY

Hildene
THE LINCOLN FAMILY HOME

hildene.org
Manchester
VERMONT

Ages: 1st through 4th grades

Complies with: "Next Generation Science Standards";

learn more at www.hildene.org/learning/home_study.org

Included: learning materials including all necessary equipment to participate fully; 5-day grounds pass to Hildene

Details: \$25/kit; may be picked up at The Museum Store, or shipped for additional charges

Contact/more info: Education Director, Diane Newton - newton@hildene.org

**Explore, discover, question, observe, communicate and reflect
all through hands-on learning in the natural world
at home, in the community, or at Hildene!**



Plants and Pollinators

Pollinators literally put food on our tables. This kit is designed to inspire care for pollinators of all kinds. Children discover who the pollinators are, the vital role they play in agriculture and natural communities, and the steps that can be taken to promote and protect pollinator habitat in our backyards. Children dissect a flower, go on a pollinator hunt, make a bee's wax candle, discover the differences in bumble bee color patterns and spread pollinator habitat!



Forests

Through journaling, crafting and investigation, this kit explores tree identification and anatomy, life in the forest, forest sensory activities, and the forest's role in providing clean water. Children create their own micro forest ecosystem in a jar, make tree teas, build a forest food web, and learn about forest diversity through sampling a forest plot.



Ponds and Wetlands

How are aquatic critters and plants adapted to live in a watery world? What benefits do wetlands provide that no other ecosystem does? Visit a nearby pond or wetland with the kit's net, magnifying viewer, critter keys and activities to discover the answers. Follow up your field investigations by creating an aquatic food web, playing Presto, Change-o, and building a cattail duck to float!



Seeds to Fruits

How does a seed become a fruit? What is in soil and how is it made? These questions and more are explored in this kit. Children dissect seeds, play Apple Tree Life Cycle Sort, and examine different fruits, searching for clues that they were once a flower. To better understand soil characteristics, children conduct soil experiments and build a micro composter to observe the life cycle of biodegradable materials. Related crafts and recipes complete the kit.