



PhD: Doctor of Science

Provided by:

Iowa State University Extension
and Outreach, Scott County
875 Tanglefoot Lane
Bettendorf, Iowa 52722
563-359-7577
www.extension.iastate.edu/scott

Information	Program Description
Kindergarten-5th Grade	Students learn about the variety of scientists and what each scientist does. Students watch videos, read books, create models, and do small group activities to solidify this knowledge.
Curriculum Format	Each lesson can be presented in 45-60 minutes. Teaching Guide with complete instructions is provided. Teaching Kit with materials needed to present lessons is provided. User may need to provide standard classroom supplies (pencils, scissors, glue). If a lesson requires perishable items (e.g. milk), user is responsible for these purchases.

Lesson	Overview
One: What is a Scientist?	Students are introduced to concepts like observation and inference. Students also learn about what scientists do. Students read a book about a scientist and then discuss what the scientist observed in the story as well as what he inferred from his experiments.
Two: Astronomy	Students learn what astronomy means through group discussion. Students also learn about the Milky Way. Students build their own solar system and do an activity about gravity.
Three: Meteorology	Students learn about meteorology by reading background information and do an activity with thermometers. Students draw pictures of their favorite weather while using correct scientific language.
Four: Oceanography	Students learn about oceans, seas, and creatures that live in large bodies of water. Students label each ocean on a large map, and read a story about Jacques Cousteau. Students learn about the layers of the ocean, choose a layer of the ocean and draw animals that live in that layer.
Five: Zoology	Students watch a movie about a wildlife scientist in Alaska. Students watch a short video about sea otters and record their observations. Students complete a graph based on the variety of better behaviors they noticed.
Six: Paleontology	Students read a book about paleontology and make their own fossils. Youth create their own dinosaur and complete a story about their dinosaur.

This institution is an equal opportunity provider. For the full non-discrimination statement or accommodation inquiries, go to www.extension.iastate.edu/diversity/ext.