

# Homeschool Science in Early Elementary

How do I start teaching science to my kids? This is a very different answer if your kids are K-2 than if they are a bit older. Here are some of the science topics you might want to consider if your kids are in early elementary:

## [Homeschool Den Minute: Video Episode 1](#)

**5 Senses** – sight, hearing, touch, feel, taste (This could continue on into a unit on the human body.)

- [taste activities](#),
- [smell matching](#),
- [sound bingo](#)

**Animals/Zoology:** Some zoology topics you could cover:

- [living and non-living \(and the characteristics of living things\)](#),
- [vertebrates-invertebrates](#),
- [the 5 classes of animals: animals and their characteristics](#), (fish, amphibians, reptiles, birds, mammals)
- [Animal Packet](#) (classification, domestic vs. wild animals, animal tracks, etc.)
- Invertebrates: [Hands-On Study of Earthworms](#), [Planaria](#) (a type of flatworm that regenerates), [Mealworms](#) (that turn into darkling beetles)
- [Amphibian Mini-Unit: Frog Life Cycle, Amphibians](#); [animals of the world](#),
- [Nocturnal and Diurnal Animals](#) (we also talked about what makes day and night)
- the parts of the animal,
- animals and their babies,
- [animals and their group names](#)
- animals and their biomes (such as the rain forest, desert, [forest](#)), ([we did a study of the biomes here](#) – arctic, tundra, deciduous forest, boreal forest, rain forest, deserts, etc.)

- [animal tracks](#),
- where do animals live?
- [Where do things come from?](#)
- [above ground-below ground](#),
- ocean animals: [Ocean Unit Freebies](#) [Layers of the Ocean](#)  
[School of Fish Activity](#) [Ocean Animals and Their Groups](#)  
[Whale Unit \(and the Arctic\) — Icebergs, Blubber experiment,](#)  
[Buoyancy and more](#) [Whale Unit - Migration, Echolocation,](#)  
[Baleen vs. Toothed Whales](#)
- [Whale Unit - How salt water affect buoyancy - Drawing whales and dolphins](#)
- [Unit on Dinosaurs](#),
- [Unit on Birds](#)

## **Plants/Botany**

- parts of plants,
- [parts of a flower](#),
- plant life cycles - germinating seeds,
- [fruits and vegetables](#) (free sorting cards here),
- [plant nutrition \(colored carnations and slurping celery\)](#)
- [Rainforest Plants s](#) (from around the world),
- [Plants and Symmetry](#);
- [Vascular vs. Non-Vascular Plants](#)
- [2 types of roots](#): fibrous roots (like grass) and taproots (like carrots)
- [Carnivorous Plants Lapbook](#)
- Where does my food come from?

## Homeschool Den Minute: Video Episode 2

### Simple Machines

- Lever, wheel and axle, ramp, screw, pulleys, wedge
- Simple Machine Packet

### Rocks and Minerals

- Sedimentary, Igneous, Metamorphic Rocks
- Rock Cycle
- Rocks and Minerals Packet
- 3 Types of Rocks - worksheets

### Earth Science

- Layers of the Earth
- Plate movement
- Volcanoes,
- Earthquakes
- Earth Science Packet

### Human Body

- the five senses: [taste activities](#), [smell matching](#), [sound bingo](#)
- [the bones of the body](#) (This post has various PreK-K ideas),
- (we also did tons of other activities about [how blood circulates](#) and [how food is digested](#) that my youngest really enjoyed with my older kids.

## Simple Machines:

- [Simple Machines Packet \(About 30 pages\)](#)



- [Simple Machines Unit: Hands-On Activities on Levers](#)
- [wedges](#)
- [screws \(including the Archimedes screw\)](#)
- [pulleys – probably the kids’ favorite day!](#)
- [wheel and axle](#)

## Geology:

We have a free Rocks and Minerals Packet. The first part of the packet was made specifically for my daughter who was 4 at the time: [Free Rocks and Minerals Packet](#) geology topics: Earth’s layers, mountain formation, volcanoes, rocks and minerals, natural disasters

I shared some of our hands-on activities in these posts (some were done when my kids were in preschool, other when they were older... but most of our activities would be fun at any age!)

- [Three Types of Rocks: Igneous, Sedimentary and Metamorphic Rock Packet](#) - the kids loved these activities because they involved chocolate!!



- [Igneous Rock Activities](#)
- [Sedimentary Rock Activities](#)
- [Sedimentary Rock Activity](#) (much older post, using sand)
- [Metamorphic Rock Activities](#)

- [Metamorphic Rock Activity](#) (another older post, where we took “core samples,” excavated and examined this baked rock — a cupcake!)
- [Minerals: Our Hands-On Activities and Seeing the BIGGEST Diamond in the World](#)
- [Earth-Space Science: Topographic Maps](#)

### **Earth Science posts:**

- [Learning about the Solar System](#) – Including the hands-on kit the kids loved assembling and painting.
- [Earth Science: Timeline of Earth Activity](#) – A Montessori activity that is meant to impress kids with the enormity of time on Earth.
- [Earth Science: Layers of the Earth hands-on Activity](#)
- [Earth’s Geologic Timeline](#) - How scientists divide Earth’s history into eons and eras
- [Learning about Latitude and Longitude, Using a Compass](#)
- [Earth Science: Plate Movement Hands-On Activities](#)
- [Earth Science: Layers of the Atmosphere](#)
- [Free Earth Science Packet: Layers of the Atmosphere](#)
- [Earth Science: Layers of the Earth Hands-On Activity](#)
- [Earth Science: Plate Movements, Pangea](#)
- [Plate Movement and Earthquakes](#)
- [Earth Science: Plate Movements and Earthquakes, Volcanoes and Mountain Making](#)
- [Earth Science: How Fold Mountains are Formed](#)
- [Topographic Maps](#)
- [World Biomes Pin Map](#)
- [Preschool Geography](#) and [More Preschool Geography Activities](#)