



Scope & Sequence
Level D

Level D (Grade 4)

Lesson	Category	Topic/Focus	Objective
1	Life Science	Germination	To explore growth in plants
2	Life Science	Classification	To explore how characteristics are used for identification
3	Life Science	Animal Characteristics	To explore how a bird's feathers repel water
4	Life Science	Ecosystems	To explore the predator/prey relationship
5	Life Science	Plant Structure	To explore images as a scientific tool
6	Life Science	Food Preservation	To explore how water affects spoilage
7	Life Science	Body Function	To explore the sense of touch
8	Life Science	Body Function	To explore the nervous system
9	Life Science	Body Structure	To explore the major bones of the body
10	Physical Science (Forces)	Crystals	To explore changes in matter and forces that cause them
11	Physical Science (Forces)	Surface Tension	To explore water molecule attraction
12	Physical Science (Forces)	Air Pressure	To explore air as a form of matter
13	Physical Science (Forces)	Gravity	To explore how gravity works
14	Physical Science (Forces)	Inertia	To explore inertia and movement
15	Physical Science (Forces)	Torque	To explore how torque can change the direction of force
16	Physical Science (Forces)	Buoyancy	To explore how things float
17	Physical Science (Forces)	Force Transfer	To explore how forces can be moved
18	Physical Science (Forces)	Flight	To explore how forces allow flight
19	Earth Science	Air Pressure	To explore air pressure as a force
20	Earth Science	Air Pressure	To explore the effects of air pressure
21	Earth Science	Barometers	To explore how air pressure is measured
22	Earth Science	Water Cycle	To explore physical changes in water
23	Earth Science	Geology	To explore sedimentary rock
24	Earth Science	Earth's Structure	To explore core sampling
25	Earth Science	Volcanoes	To explore the action of volcanoes
26	Earth Science	Fossils	To explore fossilization
27	Earth Science	Crystallization	To explore how groundwater forms cave formations
28	Physical Science (Energy/Matter)	Wave Structure	To explore the parts and functions of waves
29	Physical Science (Energy/Matter)	Refraction	To explore properties of light
30	Physical Science (Energy/Matter)	Lenses	To explore how lenses affect images
31	Physical Science (Energy/Matter)	Sound	To explore how sound is made
32	Physical Science (Energy/Matter)	Static Electricity	To explore static electricity
33	Physical Science (Energy/Matter)	States of Matter	To explore changes in states of matter
34	Physical Science (Energy/Matter)	Endothermic Change	To explore endothermic change
35	Physical Science (Energy/Matter)	Exothermic Change	To explore exothermic change
36	Physical Science (Energy/Matter)	Indicators	To explore how an acid or base affects an indicator