



Scope & Sequence
Level A

Level A (Grade 1)

Lesson	Category	Topic/Focus	Objective
1	Life Science	Basic Needs	To explore basic needs of plants and animals
2	Life Science	Plant Structure/Function	To explore the structure and function of plant parts
3	Life Science	Animal Structure/Function	To explore the structure and function of animal coverings
4	Life Science	Life Cycles (larva)	To explore the larva stage of a moth's life cycle
5	Life Science	Life Cycles (pupa)	To explore the pupa stage of a moth's life cycle
6	Life Science	Life Cycles (adult)	To explore the adult stage of a moth's life cycle
7	Life Science	Camouflage	To explore how colorization and shape help survival
8	Life Science	Habitats	To explore how creatures interact with their environment
9	Life Science	Pollutants	To explore how pollutants impact environments
10	Earth Science	Earth Materials	To explore how "natural" and "manufactured" differ
11	Earth Science	Rocks	To explore basic characteristics of rocks
12	Earth Science	Fossils	To explore how "mold fossils" were created
13	Earth Science	Solar System	To explore relationships between solar system objects
14	Earth Science	Eclipses	To explore how solar and lunar eclipses occur
15	Earth Science	Solar Energy	To explore how color reflects or absorbs sunlight
16	Earth Science	Earth Rotation	To explore how Earth's rotation causes day and night
17	Earth Science	Moon Phases	To explore how the Moon's movement relates to months
18	Earth Science	Seasons	To explore how Earth's movement relates to seasons
19	Physical Science	States of Matter	To explore Earth's three most common states of matter
20	Physical Science	Changes in Matter	To explore how matter can change states
21	Physical Science	Bonds	To explore how bonds between atoms hold things together
22	Physical Science	Surface Tension	To explore how water molecules create surface tension
23	Physical Science	Properties of Matter	To explore mixing two colors to make a third color
24	Physical Science	Density	To explore how density affects matter
25	Physical Science	Sound	To explore how sound is created by vibration
26	Physical Science	Pitch	To explore how changing vibration changes sound
27	Physical Science	Sound & Density	To explore how density affects the speed of sound
28	Physical Science	Newton's 3rd Law	To explore the concept of action/reaction
29	Physical Science	Flight	To explore how forces relate to flight
30	Physical Science	Simple Machines	To explore how the direction of a force can be changed
31	Physical Science	Refraction	To explore how light can be bent by a lens
32	Physical Science	Refraction/Reflection	To compare and contrast refraction and reflection
33	Physical Science	Friction	To explore the relationship between friction and heat
34	Physical Science	Static Electricity	To explore how atoms relate to static electricity
35	Physical Science	Magnetism 1	To explore basic properties of magnets and magnetism
36	Physical Science	Magnetism 2	To explore practical applications of magnetism