



**Scope & Sequence**  
**Level E**

## Level E (Grade 5)

Lesson	Category	Topic/Focus	Objective
1	Life Science	Life Cycles	To explore the life cycle of yeast
2	Life Science	Growth	To explore one aspect of a life cycle
3	Life Science	Stimulus/Response	To explore how plants respond to their environment
4	Life Science	Transpiration	To explore how water moves through plants
5	Life Science	Plant Reproduction	To explore reproduction by dissecting a flower
6	Life Science	Diffusion	To explore how materials cross membranes
7	Life Science	Eye Structure	To explore how an image is created in your eye
8	Life Science	Vision	To explore how the brain and eyes work together
9	Life Science	Joint Structure	To explore how our joints function
10	Physical Science (Forces)	Molecules	To explore the structure of molecules
11	Physical Science (Forces)	Surface Tension	To explore how water molecules behave
12	Physical Science (Forces)	Composition of Matter	To explore the space inside matter
13	Physical Science (Forces)	Velocity	To explore how gravity can be defeated
14	Physical Science (Forces)	Inertia	To explore how inertia relates to moving objects
15	Physical Science (Forces)	Torque	To explore how “center of gravity” affects motion
16	Physical Science (Forces)	The Bernoulli Principle	To explore air pressure and lift
17	Physical Science (Forces)	Lamination	To explore how structural changes increase strength
18	Physical Science (Forces)	Simple Machines	To explore the operation of a pulley
19	Earth Science	Air Pressure	To explore what causes air pressure
20	Earth Science	Water Cycle	To explore different states of water
21	Earth Science	Glaciers	To explore one way glaciers affect Earth’s surface
22	Earth Science	Weather Patterns	To explore why deserts mostly occur on one side of mountains
23	Earth Science	Geology	To explore the properties of an Earth material
24	Earth Science	Geology	To explore how Earth forces change materials
25	Earth Science	Geology	To explore another Earth material
26	Earth Science	Convection	To explore how convection currents create circulation
27	Earth Science	Planetary Movement	To explore Earth’s spin
28	Physical Science (Energy/Matter)	Waves	To explore the characteristics of waves
29	Physical Science (Energy/Matter)	Reflection	To explore one characteristic of light
30	Physical Science (Energy/Matter)	Sound	To explore how sound travels
31	Physical Science (Energy/Matter)	Magnetism	To explore how a compass works
32	Physical Science (Energy/Matter)	Electricity	To explore the movement of electrons
33	Physical Science (Energy/Matter)	Crystals	To explore the formation of crystals
34	Physical Science (Energy/Matter)	Chemical Reactions	To explore a chemical reaction
35	Physical Science (Energy/Matter)	Lenses	To explore how a lens affects light
36	Physical Science (Energy/Matter)	Indicators	To explore how indicators show changes