



Scope & Sequence
Level G

Level G (Grade 7)

Lesson	Category	Topic/Focus	Objective
1	Life Science	Respiration	To explore how seeds use energy and oxygen
2	Life Science	Plant Reproduction	To explore how plants reproduce
3	Life Science	Food Energy	To discover that energy is stored in food
4	Life Science	Nutrients	To explore testing food for a nutrient
5	Life Science	Diffusion	To explore how materials pass through a cell's membrane
6	Life Science	Blood	To explore blood composition
7	Life Science	Classification	To classify animals by eye location
8	Life Science	Human Anatomy	To explore the structure of the spine
9	Life Science	Disease Transmission	To explore how disease can spread so fast and so far
10	Physical Science (Forces)	Magnetism	To explore magnetic fields
11	Physical Science (Forces)	Scientific Experiments	To explore how experiments enhance understanding
12	Physical Science (Forces)	Center of Gravity	To explore how objects balance
13	Physical Science (Forces)	Torque & Equilibrium	To explore how forces can balance
14	Physical Science (Forces)	Kinetic Energy	To explore how forces affect objects
15	Physical Science (Forces)	Buoyancy	To explore why some objects float
16	Physical Science (Forces)	Transfer of Forces I	To explore how strength is related to structure
17	Physical Science (Forces)	Transfer of Forces II	To explore how strength is related to shape
18	Physical Science (Forces)	Flight	To explore factors that affect flight
19	Earth Science	Atmospheric Pressure	To explore the force of air pressure
20	Earth Science	Weather	To explore clouds' relationship to weather
21	Earth Science	Remote Sensing	To explore how inaccessible locations are mapped
22	Earth Science	Earth Materials	To explore the properties of coal
23	Earth Science	Solar System I	To explore relative distances between planets
24	Earth Science	Solar System II	To explore relative sizes of planets
25	Earth Science	Constellations	To explore the star patterns seen from Earth
26	Earth Science	Gravitational Fields	To explore how gravity affects objects
27	Earth Science	Earth Structure	To explore the layers of the Earth
28	Physical Science (Energy/Matter)	Light Spectrum	To explore different types of light
29	Physical Science (Energy/Matter)	Sound	To explore how sound is made
30	Physical Science (Energy/Matter)	Properties of Light	To explore how materials affect light
31	Physical Science (Energy/Matter)	Periodic Table	To explore the periodic table
32	Physical Science (Energy/Matter)	Electricity	To explore circuits, conductors, and insulators
33	Physical Science (Energy/Matter)	States of Matter	To compare physical and chemical change
34	Physical Science (Energy/Matter)	Combustion	Explore the basic principles of combustion and fire
35	Physical Science (Energy/Matter)	Chemical Change	To explore how surface area affects oxidation
36	Physical Science (Energy/Matter)	Indicators	To explore how indicators work