Science E—Weekly Subject List

Week	Subject	Skills
1	How plants and animals eat; Plant and animal traits	Planning and Carrying Out Investigations; Analyzing and Interpreting Data
2	How plants and animals move; Plant and animal traits	Planning and Carrying Out Investigations; Asking Questions and Defining Problems
3	How plants and animals protect themselves; Plant and animal traits	Developing and Using Models; Engaging in Argument from Evidence
4	How plants and animals disguise themselves; Plant and animal traits	Asking Questions and Defining Problems; Developing and Using Models
5	Symbiotic relationships found in nature	Planning and Carrying Out Investigations; Engaging in Argument from Evidence
6	Intro to ecosystems; Animal communication	Developing and Using Models; Engaging in Argument from Evidence
7	Plant and animal reproduction; Intro to the life cycle	Planning and Carrying Out Investigations; Asking Questions and Defining Problems
8	Parasitic relationships; Animal homes	Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information
9	How plants and animals survive in harsh climates; Plant and animal traits	Asking Questions and Defining Problems; Engaging in Argument from Evidence
10	Plant traits; Reptiles; Amphibians; Mammals; Birds; Animal traits; Animal sight; Animal survival tactics	Planning and Carrying Out Investigations; Analyzing and Interpreting Data
11	Introduction to computer coding	Constructing Explanations and Designing Solutions; Planning and Carrying Out Investigations
12	Introduction to computer coding; Earth's place in the solar system	Developing and Using Models; Engaging in Argument from Evidence
13	Seasons; Heat from the Sun; Earth's layers; Different rocks on the Earth's crust	Developing and Using Models; Analyzing and Interpreting Data
14	Fossil fuels found in the Earth's crust; Introduction to volcanoes	Developing and Using Models; Obtaining, Evaluating, and Communicating Information
15	Introduction to earthquakes; The atmosphere around the Earth	Asking Questions and Defining Problems; Developing and Using Models
16	Atmosphere to support life; Climates	Asking Questions and Defining Problems; Developing and Using Models
17	Tropical desert climate; Mediterranean climate; Temperate zones; Frigid zones; The affect of mountains on climate	Planning and Carrying Out Investigations; Analyzing and Interpreting Data
18	Introduction to weather	Planning and Carrying Out Investigations; Engaging in Argument from Evidence
19	How to measure and predict weather; How plants and animals eat; Intro to ecosystems	Constructing Explanations and Designing Solutions; Developing and Using Models
20	Population growth; Food production; Weathering	Constructing Explanations and Designing Solutions; Developing and Using Models
21	The affects of water on the formation of Earth and the lives of plant and animals	Developing and Using Models; Analyzing and Interpreting Data
22	The affects of the ocean on land; Introduction to oceans; What makes up a living organism	Planning and Carrying Out Investigations; Developing and Using Models
23	Parts of a plant; Different types of animals; Parts of an animal	Developing and Using Models; Engaging in Argument from Evidence

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24	Animal movement; Animal senses; How and what animals eat; Digestion and healthy eating; Circulatory system	Developing and Using Models; Engaging in Argument from Evidence
25	Eating and exercising for health; Reproduction; Life cycle; Micro-organisms; Food chain; Ecosystems	Asking Questions and Defining Problems; Analyzing and Interpreting Data
26	Introduction to materials; Characteristics of materials; Uses for materials	Developing and Using Models; Obtaining, Evaluating, and Communicating Information
27	States of matter; Materials and electricity; Materials and water; Earth's atmosphere; Mixing and separating matter; Changing matter	Planning and Carrying Out Investigations; Engaging in Argument from Evidence
28	Introduction to forces; Gravity; Friction; Pressure; Magnetic forces; Elasticity; Buoyancy and density	Asking Questions and Defining Problems; Engaging in Argument from Evidence
29	Simple machines; Types of energy; Kinetic and potential energy; Temperature as energy	Planning and Carrying Out Investigations; Analyzing and Interpreting Data
30	Thermal energy moving; Used energy; Fires; Practical energy uses; Fossil fuels; Energy in the human body	Constructing Explanations and Designing Solutions; Asking Questions and Defining Problems
31	Energy and the human body; The sun and the energy that it produces; How energy is made and used	Planning and Carrying Out Investigations; Engaging in Argument from Evidence
32	Nuclear energy; Solar energy; Geothermal energy; Wind and water energy; Biomass energy; Electricity	Planning and Carrying Out Investigations; Analyzing and Interpreting Data
33	Power plants; Fuels; Utilities; Electricity	Asking Questions and Defining Problems; Engaging in Argument from Evidence
34	Introduction to light; Heat as energy; Introduction to sound; Introduction to waves	Planning and Carrying Out Investigations; Asking Questions and Defining Problems
35	Types and characteristics of waves	Engaging in Argument from Evidence; Analyzing and Interpreting Data
36	More characteristics of waves; Inventions using waves; Hedy Lamarr; Famous scientists	Asking Questions and Defining Problems; Analyzing and Interpreting Data