

Suggested Weekly Schedule - RSO Earth & Space (level one)

The following schedule is suggested for those wishing to complete this course in a 36-week school year, teaching science twice a week (or once a week by combining the two days into one longer science day each week). General supplies needed for each week are listed. Refer to the lesson or supply list for specifics on supplies including quantities. FMN indicates For My Notebook lesson pages.

Week	Day	Lesson / Lab	Supplies Needed for the Week	Dates / Notes
1	Day 1	Weather Changes (FMN)	Science thermometer, Bowls, Water, Ice, Colored pencils	
	Day 2	Thermometer Exploration		
2	Day 1	Make a Rain Gauge	Scissors, Permanent marker, Marbles, 2-Liter bottle, Colored tape, Ruler, Water, Wax-coated disposable cups, Paper plate, Tape, Empty thread spool (optional), Phillips head screwdriver	
	Day 2	Measuring Wind Speed		
3	Day 1	Make a Weather Vane My Weather Journal (start)	Straws, Scissors, Pen cap, Tagboard, Tape, Clay, Metric ruler, Clipboard, Outdoor thermometer, Watch, Glue, Colored pencils, Orange, Skewer, Marker, Table lamp	
	Day 2	The Reasons for the Seasons		
4	Day 1	The Water Cycle (FMN)	Glass, Ice cubes, Heat supply, Cookie sheet, Water, Sauce pan, Stirring spoon	
	Day 2	Water Can Be Solid, Liquid, or Gas		
5	Day 1	Water Cycle in a Bowl	Glass clear bowl, Water, Glass, Food coloring, Salt, Stirring spoon, Plastic wrap, Rock or marble, Scissors, Glue, Colored pencils	
	Day 2	Water Cycle Diagram		
6	Day 1	Air Surrounds the Earth (FMN) Air Takes Up Space	Balloons, Clear glasses, Sink, Water, Paper, Metric ruler, Meter or yard stick, String, Masking tape	
	Day 2	Air Has Mass (Weight)		
7	Day 1	Earth's Surface is Changing (FMN) Earth- The Water Planet	Inflatable globe, Crayons, 3 people, Meter stick or metric ruler, Adding machine tape, Colored pencils	
	Day 2	"Water We're Going to Drink?"		
8	Day 1	What Is Inside the Earth? (FMN)	Pizza pan, Pizza sauce, Shredded cheddar cheese, Tablespoon, Toothpicks, Pizza crust, Shredded mozzarella cheese, Tomato, Crayons, Post-it Notes	
	Day 2	Pizza Crust to Core		
9	Day 1	Rocks Are Made of Minerals (FMN)	Paper plates, Grated hard cheeses (3 different colors), Plastic wrap, Tape, Permanent marker	
	Day 2	Rocks Are Made of Minerals		
10	1 Longer Day	Mineral Identification Minerals- Color and Streak	Mineral samples, Table salt, Pencil lead, Colored pencils, Streak Plate, Hand lens	
11	Day 1	Mineral Hardness	Mineral samples, Table salt, Pencil lead, Cooper penny, Steel nail, Piece of glass, Steel file, Sandpaper, Sample metallic items, Strong magnet, Hand lens	
	Day 2	Mineral Luster and Shape		

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12	Day 1	Grow Your Own Crystals	Sugar, Pan, Water, Stove, Hand lens, Measuring cup, Candy thermometer (optional), Stirring spoon, Cotton string, Pencil, Clear jar, Paper clip, Plastic wrap (optional), Colored pencils, Scissors, Tape, Salt, Quartz crystal	
	Day 2	Crystals Models		
13	Day 1	The Earth Recycles Rock (FMN)	Bucket, Egg carton, Hand lens, Outside area with lots of rocks	
	Day 2	Going On a Rock Hunt		
14	Day 1	My Rock- A Closer Look	Rocks, Colored pencils, Balance or kitchen gram scale, Metric ruler, Hand lens, Butcher paper	
	Day 2	Rocks Can Be Grouped		
15	Day 1	Igneous Rock Is From Magma	Saucepan, Stove, Measuring spoons, Evaporated milk, Salt, Chocolate chips, Plate, Hand lens, Baking pan, Foil, Stirring spoon, Sugar, Butter, Miniature marshmallows, Vanilla, Knife, Rock samples, Pumice (optional)	
	Day 2	Exploring Igneous Rocks		
16	Day 1	Sedimentary and Metamorphic Rocks	Foil, Crayons, Heat source, Cheese grater, Oven mitt, Tongs, Rock samples, Hand lens	
	Day 2	Exploring Sedimentary Rocks		
17	Day 1	Exploring Metamorphic Rocks	Rock samples, Hand lens, Colored pencils, Notepad, Rock and Mineral Kit, Egg carton, Newspaper, White correction fluid, Fine point marker, Cotton balls	
	Day 2	Rock Cycle Summary Start a Rock Collection		
18	Day 1	The Weather Makes Rocks Weather (FMN)	Timer, Rough rocks, Water, Filter paper, Funnel, Plastic jars with lids, Hand lens	
	Day 2	Water Weathers Rock		
19	Day 1	Ice Weathers Rock	Balloon, Water, Plaster of Paris, Bowl, Stirring spoon, Freezer, Lima bean or corn seeds, Plastic cup, Water, Potting soil	
	Day 2	Living Things Weather Rock		
20	Day 1	Wind Causes Erosion	Cardboard, Masking tape, Floor fan, Puffed wheat cereal, Meter stick, Flat surface, Rope, Plastic jar with lid, Soil, Sand, Gravel, Water, Plastic critters or shells (optional)	
	Day 2	Deposition Creates Layers		
21	Day 1	Soil Is Dirt and Dirt Is Good (FMN) What's the Dirt on Dirt?	Soil from a garden or humus; Hand lens; Tweezers; Clear tape; Plastic container with lid; Sand; Chopped leaves, twigs, grass, and weeds; Dead insects; Water	
	Day 2	Soil Recipe		
22	Day 1	The Moon Is Staring at Us (FMN) The Moon Runs Circles Around Us	Inflatable globe or large ball, Small ball, Dry erase marker, Table lamp, 2+ people, Moon phases chart, Black crayon, Binoculars (optional)	
	Day 2	My Moon Phases Chart		
23	Day 1	The Sun Is the Center of the Solar System (FMN)	Large sheet drawing paper and Colored pencils	
	Day 2	Suns, Planets, Moons		

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24	Day 1	Make a Solar Oven	Potato chip can, Sharp scissors, Metal hanger, Wire cutters, Ice pick, Hot dogs, Paper plate, Warm and sunny day, Colored pencils, Cardstock, Glue tape or rubber cement, Solar system stickers, Stapler	
	Day 2	Solar System Book		
25	Day 1	Mercury: Too Close For Comfort	Table near electric socket, Metric ruler, Heat or desk lamp, Science thermometer, Colored pencils, Glue	
	Day 2	Mercury Summary		
26	Day 1	Venus Traps Heat	Science thermometer, Glass jar with lid, Sunny day, Colored pencils, Glue, Scissors	
	Day 2	Venus Summary		
27	Day 1	Model Earth Biosphere	2-Liter bottle, Potting soil, Grass seeds, Potted plant (optional), Water mister, Clear Packing Tape, Water, Colored pencils, Glue, Scissors	
	Day 2	Earth Summary		
28	Day 1	Mars: The Red Planet	Steel wool, Bowl, Water, Dish soap, Rubber gloves, Crayons, Colored pencils, Glue, Scissors	
	Day 2	Mars Summary		
29	Day 1	Jupiter's Big Storm	Glass bowl, Whole milk, Red and yellow food coloring, Dishwashing liquid, Color photo of Jupiter (optional), Colored pencils, Glue, Scissors	
	Day 2	Jupiter Summary		
30	Day 1	Saturn: A Dusty Glow	Newspaper, Flashlight, Baby powder, Dark room, Colored pencils, Glue, Scissors	
	Day 2	Saturn Summary		
31	Day 1	Uranus: Mapping With Your Eyes Closed	Egg cartons, Chopstick, Checkers, Sharp pencil, Marker, Colored pencils, Glue, Scissors	
	Day 2	Uranus Summary		
32	Day 1	Neptune Is "Out of Order"	Coffee cans, Rocks, String, Ruler, Sidewalk chalk, Sidewalk or blacktop area, Colored pencils, Glue, Scissors	
	Day 2	Neptune Summary		
33	Day 1	Pluto: Define "Planet"	Dictionary, Colored pencils, Glue, Scissors, Large white drawing sheet	
	Day 2	Pluto Summary The Planet Poem		
34	Day 1	What's Out in Space (FMN)	Metric ruler	
	Day 2	Constellation Dot-To-Dot		
35	Day 1	Finding the North Star	Clipboard, Binoculars, Compass, Red cellophane, Flashlight, Rubber band, Colored pencils, Globe, and Optional star-gazing items: Lounge chair, Blanket, Hot cocoa	
	Day 2	Meteor What?		
36	Day 1	A Greater Crater	Level area, Metal pan, Flour, Chocolate milk powder, Sifter, Newspaper, Large marble, Metric ruler, Long tweezers or tongs, Binoculars, Flashlight, Red cellophane, Rubber band, Star chart, Hot cocoa (optional)	
	Day 2	Be a Night Sky Detective		