

Patterns of Earth and Sky:

Analyzing Stars on Ancient Artifacts

The quantities listed are what you will need to provide to teach the unit once for a class of 36 students. Please note that you will need to replenish the consumable items after each class use.

Materials to be provided by the teacher for the *Patterns of Earth and Sky* unit

Quantity	Description	Used in lesson
5	chart paper, sheets*	1.1, 2.2, 4.2
1	marker, wide tip, black	1.1, 1.4, 2.2, 3.3, 3.4
1	marker, permanent, black	2.5
18	markers, assorted colors	3.2, 4.2
1	meterstick	1.4
36	paper clips	1.6, 2.3, 2.6
1	round object, 1.3 mm diameter	1.5
9	rulers, 12 in. (optional)	3.2
1	scissors	1.4, 3.3
7	sentence strips*	1.4, 3.3
1	stapler	1.1, 3.6
5	sticky notes, yellow, pads 3" x 3"* **	1.3, 2.4, 3.4, 4.1
1	tape, masking, roll* **	throughout

*consumable item

**included in the Amplify Science Starter Kit, if purchased

Modeling Matter:

The Chemistry of Food

The quantities listed are what you will need to provide to teach the unit once for a class of 36 students. Please note that you will need to replenish the consumable items after each class use.

Materials to be provided by the teacher for the *Modeling Matter* unit

Quantity	Description	Used in lesson
3	bowls, mixing	1.2
1	fan, electric, box or floor, approximately 20"	1.5
8 cups	flour*	1.2, 3.4
36	goggles, safety**	1.2, 2.1, 3.4
1	jar or container with lid, 16–32 oz.	1.4
1	ketchup (or mustard, mayonnaise, or ranch dressing), small packet*	1.2
36	optional: lettuce, leaves (or other vegetables)*	3.7
1	marker, black, wide-tip	throughout
1	measuring cup (1 cup)	1.2
several	newspaper, sheets (or paper)*	1.2, 2.1, 3.4
18	paper clips	1.9, 3.4
1	paper towels, roll*	1.2, 1.4, 3.4
1	paper, chart, pad*	throughout
19	pencils	1.4
37	pennies	3.1
1	pitcher	1.2, 1.4, 2.1, 3.1, 3.4
1 cup	rocks, small	1.5
10	scissors, safety	1.2, 1.3, 1.4, 1.5
1	stapler	1.1, 1.10, 3.7
1 cup	sugar*	2.1, 3.7
1	tablespoon measure	1.2
1	tape, clear, roll*	1.4
1	tape, masking, roll* **	throughout
9	timing devices (or wall clock)	3.4
80	toothpicks*	1.4, 3.7
10	trays, plastic**	throughout
1	optional: vinegar, balsamic and/or red wine*	3.7
1	optional: olive oil*	3.7

*consumable item

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The Earth System:

Investigating Water Shortages

The quantities listed are what you will need to provide to teach the unit once for a class of 36 students. Please note that you will need to replenish the consumable items after each class use.

Materials to be provided by the teacher for *The Earth System* unit

Quantity	Description	Used in lesson
5	chart paper, sheets*	1.1, 1.3, 2.8, 5.1, 5.3
1	cooler (insulated, portable box)	2.1, 2.2, 3.1, 2.7, 3.4
1	dark-colored paper, sheet*	2.4
2	glass cups, identical	2.1
18	hand lenses**	2.1, 2.2, 3.1, 5.1, 5.4
180	ice cubes	2.1, 2.2, 2.7, 3.1, 3.4
1	light-colored paper, sheet*	1.3
1	marker, black	1.1, 1.3, 2.2, 2.4, 2.8, 4.2, 4.4, 5.1
27	markers, assorted colors	5.3
1	masking tape, roll* **	throughout
27	paper clips, medium	3.3, 4.4, 5.5
1	pitcher	2.1, 2.2, 2.4
9	plastic trays**	throughout
9	rocks, the approximate diameter of a quarter	2.7, 3.4
1	salt, 8 oz*	2.4
1	stapler	1.1
292 oz.	water*	2.1, 2.2, 2.4
28 oz.	water, hot*	2.7, 3.1, 3.4

*consumable item

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Ecosystem Restoration:

Matter and Energy in a Rain Forest

The quantities listed are what you will need to provide to teach the unit once for a class of 36 students. Please note that you will need to replenish the consumable items after each class use.

Materials to be provided by the teacher for the *Ecosystem Restoration* unit

Quantity	Description	Used in lesson
1	bag, plastic, resealable	1.2
1	flashlight	2.1
36	goggles, safety**	1.2, 3.1
9	leaf litter, handfuls*	1.2
18	lenses, hand, plastic**	3.1
1	marker, permanent, black	1.2, 1.4, 2.3
1	marker, wide tip, black	throughout
several	newspaper, sheets*	1.2, 3.1
33	paper clips	1.8, 2.5, 2.7, 3.6
6	paper, chart, sheets*	1.3, 1.7, 1.8, 2.2, 3.1, 3.4
18	paper, white, sheets (8.5" x 11")*	3.1
36	pencils	1.2
1	pitcher	3.1
11	rubber bands	1.7, 2.3, 2.5
1	scissors	1.7, 2.3, 2.5
1	stapler	1.1, 3.7
1	tape, masking, roll* **	throughout
19	trays, plastic**	1.2, 2.1, 2.3, 3.1
varies with class size	water*	1.2, 2.1, 3.1

*consumable item

**included in the Amplify Science Starter Kit, if purchased