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40200 – Laboratory Equipment Set For Exploring Creation with Astronomy 2nd Edition

LESSON 1 (40201)

40220-globe Globe Balloon
40220-lg Lg. Balloons
40220-sm Sm. Balloons
40222 Thumbtacks
40223 Thread

LESSON 2 (40202)

40228 2 Chocolate bars
40230 Inflatable globe
40231 Styrofoam® ball
40232 Box - thin, white*
40251 Straight Pin
40236 Aluminum foil
40290 Magnifying glass (small)

LESSON 3 (40203)

40237 White flour
40238-lg Lg. Marble
40238-med Med. Marble
40238-sm Sm. Marble
40239 Pencil
40240 Table Salt

LESSON 4 (40204)

40237 White flour
40289 Thimble
40243 Box - small, white, with lid
40244 Dishcloth
40245 Large rubber bands
40247 Bamboo Skewer

LESSON 5 (40205)

40250 Cork
40234 Needle
40252 Magnet
40461-1 Plastic lid

LESSON 6 (40206)

40290 Magnifying Glass
40253 Compact Disc
40256 Masking Tape

LESSON 7 (40207)

40237 White Flour
40240 Table Salt
40241 Cooking Oil
40272 Effervescent Tablets

LESSON 9 (40209)

40269 Plastic Bottles
40270 Electrical Tape
40271 1-inch Washer

LESSON 10 (40210)

50681 Goggles
40272 Effervescent Seltzer Tablet
40269 Water Bottle
40450 Paper Towel
40555 Modeling Clay

LESSON 11 (40211)

40275 Glass Jar
40276 Matchbook
40281 Gallon-size plastic bag

LESSON 12 (40212)

40277 Pint-Size Plastic Bag
40278 Powdered Sugar
40279 Vanilla
40280 Rock Salt
40281 Gallon-size Plastic Bag

LESSON 13 (40213)

40220 Small Balloon
50418 3" Dropper
40544 Cotton String

LESSON 14 (40214)

40284 Chalk
40286 Craft Wire
40287 Craft Sticks
40288-lg Large Straws
40288-m Medium Straws
40288-sm Small Straws
40285 Red tissue paper
40258 Plastic cling wrap *
40220 Large Balloon
40283 Umbrella *

MISCELLANEOUS SUPPLY KIT (40215)

40221 Scissors
40224-3 Markers
40225 Measuring Tape
40226 Construction Paper
40229 Flashlight w/Batteries
40233 White Paper
40235 Clear Tape
40282 Cardboard
40423 Colored Pencils
41230 Food Coloring set
40467 Paper Plate

** Items are too large to fit into lesson bags. You will find these items packed without a bag within this lab box.*

**Please check your order for any shortages or damaged items upon receipt.
Contact us at Nature's Workshop Plus, Inc. for replacement items.
Please observe all safety precautions when doing experiments.**

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ITEMS THAT YOU PROVIDE
 for
 Exploring Creation with Astronomy

LESSON 1	LESSON 5	LESSON 10
NONE	Lamp	Water
	Globe	
		LESSON 11
LESSON 2	LESSON 6	Ice
NONE	Lamp	Hot Water
	Paper with Writing or Images on it	
	Stick	LESSON 12
LESSON 3		1/2 cup Whipping Cream
Large Bowl	LESSON 7	Ice
Water	Small bowl	
Newspaper	Rocks (optional)	LESSON 13
	Water	Small rocks
LESSON 4		Dirt
Butter or Margarine	LESSON 8	Water
Small Plate	A large open space	Pie plate
Small Bowl		
Newspaper	LESSON 9	LESSON 14
Water	Water	Basic Craft Materials of your choosing

For those using this kit with a 1st edition textbook, use the following recipes to complete Lessons 3, 4 & 7.

Salt Dough Recipe Downsized

	<u>Lesson 3</u>		<u>Lesson 7</u>
1 Tbsp flour	1 drop blue food coloring		½ cup flour
1 tsp salt	1 drop green food coloring		2 Tbsp salt
1 tsp water	1 drop red food coloring		2 drops red food coloring
			½ tsp veg. oil

Put ingredients in a bowl and mix well

Glue Mixture Recipe

1/4c Water

1/4c Flour

Put flour in a bowl and slowly stir in water until desired consistency is reached.

Adult supervision is recommended for all experiments!

Compatibility Information

For: Astronomy 1st Edition Book
with 2nd Edition Lab Kit

- Lesson 1 No Changes
- Lesson 2 No Changes
- Lesson 3 Refer to salt dough recipe found on the Items List.
- Lesson 4 *Use the thimble in place of the small bowl
*Refer to glue mixture recipe found on the Items List and use instead of plaster.
- Lesson 5 No Changes
- Lesson 6 There is a change in magnifiers.
Follow these directions:
1. Place paper on a table or floor.
 2. Hold the stronger magnifying glass a good distance between you and the paper.
 3. Look at the paper through the lens. The image will look blurry.
 4. Place the weaker magnifying glass between your eye and the first magnifying glass.
 5. Move the weaker magnifying glass forward or backward until the print or image comes into sharp focus. The print or image should appear larger and upside down.
 6. Keep the magnifying glasses in place while you have someone measure and record the distance between the two magnifying glasses.
 7. Make two paper tubes using your construction paper and the measurement you determined for their length. The first one will fit around your strongest magnifying lens. The second should fit around your weaker lens and be slightly smaller in diameter so that it can slide into the first tube.
 8. Secure the tubes to the magnifying lenses with your tape.
 9. Look through the smaller magnification lens at something outside.
NEVER LOOK DIRECTLY AT THE SUN!
- Lesson 7 *Use the effervescent tablets in place of the vinegar, baking soda and dish soap.
*Refer to salt dough recipe found on the Items List.
- Lesson 8 You will need to provide your choice of items listed on page 101.
- Lesson 9 No Changes
- Lesson 10 New instructions for the experiment:
1. Decorate the empty water bottle so that it looks like a rocket.
 2. Crush one or two effervescent tablets.
 3. Tear about a 4x4 inch square of paper towel and roll crushed tablets up tightly into the paper towel so that the roll can fit through the mouth of water bottle. Set it aside.

4. Use clay to form a tight cork-like seal for the mouth of the water bottle. **DO NOT USE THE CAP THAT CAME WITH YOUR BOTTLE!** Set your cork aside.
5. Gather your rocket, fuel (rolled up tablets), and cork. Go outside and find a clear spot where your rocket can stand up easily AND everyone can move away quickly.
6. Fill rocket about 1/3 full with water. Insert paper towel fuel and quickly put cork in place.
7. Set rocket down and move away quickly.

Lesson 11 No Changes
Lesson 12 No Changes
Lesson 13 All items are moved to Lesson 14 or in the Miscellaneous Pack.
Items given will not be used for the 1st edition book.
Lesson 14 Large balloon not needed.