



a WOW Lab

BLUEPRINT

Light Bending JELL-O

Shopping List

The list is divided into consumable and reusable items. Quantities listed assume that the activity will be performed once. Do not use sugarless JELL-O. If omitting the green laser pointers, the *Activity Instructions* for Mission 3 will need to be omitted or modified. The listed initial cost assumes that the activity has never been performed before and that all of the materials must be purchased. The legend below provides details of where the materials can be found:

A = Arts and Crafts Store
D = Dollar Store
E = Educational Supplier

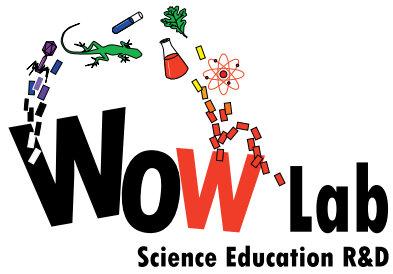
G = Grocery Store
H = Hardware Store
O = Online

P = Pharmacy
S = Specialty Store
U = University

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
green JELL-O powder (lime or other)	2 packs	G	\$1.60
red JELL-O powder (cherry or other)	2 packs	G	\$1.60
blue and/or orange JELL-O (mixed-berry, peach or others)	2 packs	G	\$1.60
Styrofoam plates	6	D	\$1.00 (for 10)
water	500 ml	—	free
COST OF CONSUMABLE ITEMS:			\$5.80

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
red laser pointer	3	E	\$30.00
green laser pointer (optional)	2	O	\$60.00
COST OF REUSABLE ITEMS:			\$30.00 - \$90.00

INITIAL COST: \$35.80 - \$95.80
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Light Bending JELL-O - Shopping List

Tools

- craft knife
- hot glue gun and glue sticks
- cardboard
- kettle
- 600 mL beaker
- cutting board
- ruler
- translucent protractor
- 2 scientific calculators
- shoebox lid
- pastry cutter (**Figure 1**)
- metal cookie cutters (optional)



Figure 1