

a WOW Lab

**BLUEPRINT**

Weather Station

## Shopping List

The list is divided into consumable and reusable items. Quantities listed assume a class size of 30 students. 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

G = Grocery Store

P = Pharmacy

D = Dollar Store

H = Hardware Store

S = Specialty Store

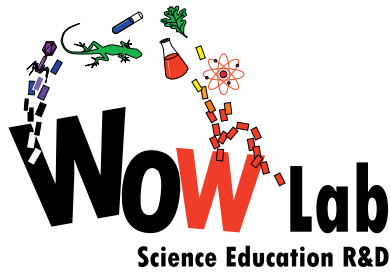
E = Educational Supplier

O = Online

U = University

### Entire Activity: Weather Station

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
long, transparent straw	1	D	\$1.00
coloured paper	1 sheet	D	\$2.00 (for a pack)
black construction paper	1 sheet	D	\$2.00 (for a pack)
paper clips	6	D	\$1.00 (for a box)
bendable straws	4	D	\$1.00 (for 50)
resealable sandwich bags	5	G	\$3.00 (for a box)
alum powder	4 oz	G	\$2.00
food colouring	1 package of 4	G	\$2.00
aluminum foil tray	1	G	\$3.00
diaper	1	G	\$10.00 (for 24)
rubbing alcohol	100 mL	G	\$4.00 (for 500 mL)
large cardboard box	1	—	free
500 mL plastic bottle	1	—	free
2 L pop bottles	3	—	free
2 L milk or juice cartons	13	—	free
water	4 L	—	free
newspaper	1	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$31.00</b>



a WOW Lab

# BLUEPRINT

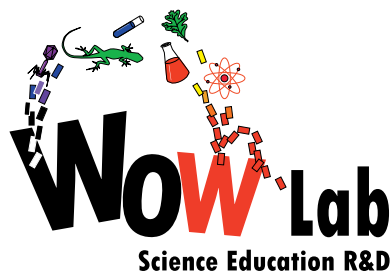
## Weather Station - Shopping List

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
blank CD	1	D	\$1.00
bristol board	1	D	\$1.00
Scotch tape	1 roll	D	\$1.00
matches	1 box	D	\$1.00
large (600 mL) plastic container	2	D	\$4.00
small (250 mL) plastic container	1	D	\$2.00 (for 3)
shallow plastic container	1	D	\$2.00
plasticine or Play-Doh	1	D	\$2.00
cocktail umbrella	1	D	\$1.00
glitter (optional)	1	D	\$1.00
bricks or pieces of wood	4	H	\$6.00
Tornado Tube	1	S (Toy Store)	\$2.50
<b>COST OF REUSABLE ITEMS:</b>			<b>\$24.50</b>

**INITIAL COST: \$55.50**

## Tools

- drill
- kettle
- scissors
- hot glue gun and glue sticks
- small fan
- push pin
- glass stir stick or plastic spoon
- tablespoon
- glue stick
- dropper



a WOW Lab

**BLUEPRINT**

## Weather Station - Shopping List

### Somewhere Over the Rainbow

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
blank CD	1	D	\$1.00
bristol board	1	D	\$1.00
<b>COST OF REUSABLE ITEMS:</b>			<b>\$2.00</b>

<b>INITIAL COST: \$2.00</b>
-----------------------------

### Snowflakes

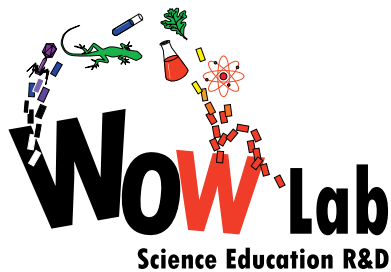
CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
alum powder	4 oz	G	\$2.00
water	125 mL	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$2.00</b>

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
small (250 mL) plastic container	1	D	\$2.00 (for 3)
shallow plastic container	1	D	\$2.00
<b>COST OF REUSABLE ITEMS:</b>			<b>\$4.00</b>

<b>INITIAL COST: \$6.00</b>
-----------------------------

### Tools

- glass stir stick or plastic spoon
- tablespoon



a WOW Lab

# BLUEPRINT

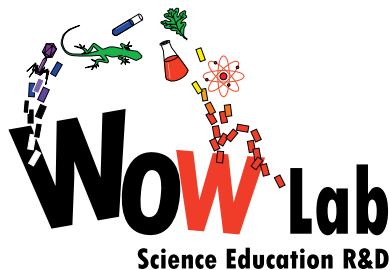
## Weather Station - Shopping List

### Blue Cloud

<b>CONSUMABLE ITEMS</b>			
<b>Item</b>	<b>Amount Required</b>	<b>Purchase Code</b>	<b>Total Cost</b>
black construction paper	1 sheet	D	\$2.00 (for a pack)
2 L pop bottle	1	—	free
water	25 mL	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$2.00</b>

<b>REUSABLE ITEMS</b>			
<b>Item</b>	<b>Amount Required</b>	<b>Purchase Code</b>	<b>Total Cost</b>
matches	1 box	D	\$1.00
Scotch tape	1 roll	D	\$1.00
<b>COST OF REUSABLE ITEMS:</b>			<b>\$2.00</b>

<b>INITIAL COST: \$4.00</b>
-----------------------------



a WOW Lab

# BLUEPRINT

## Weather Station - Shopping List

### The Stormy Day

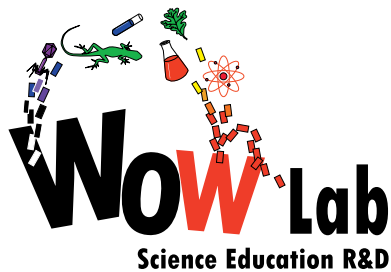
CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
food colouring	1 package of 4	G	\$2.00
resealable sandwich bags	4	G	\$3.00 (for a box)
aluminum foil tray	1	G	\$3.00
water	1 L	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$8.00</b>

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
large (600 mL) plastic container	1	D	\$2.00 (for 2)
plasticine or Play-Doh	1	D	\$2.00
cocktail umbrella	1	D	\$1.00
bricks or pieces of wood	4	H	\$6.00
<b>COST OF REUSABLE ITEMS:</b>			<b>\$11.00</b>

<b>INITIAL COST: \$19.00</b>
------------------------------

### Tools

- scissors
- kettle



a WOW Lab

# BLUEPRINT

## Weather Station - Shopping List

### A Windy City

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
coloured paper	1 sheet	D	\$2.00 (for a pack)
paper clips	4	D	\$1.00 (for a box)
bendable straws	4	D	\$1.00 (for 50)
2 L milk or juice cartons	13	—	free
large cardboard box	1	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$4.00</b>

<b>INITIAL COST: \$4.00</b>
-----------------------------

### Tools

- scissors
- glue stick
- hot glue gun and glue sticks
- push pin
- small fan

## Homemade Thermometer

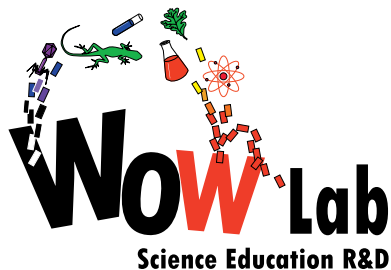
CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
long, transparent straw	1	D	\$1.00
paper clips	2	D	\$1.00 (for a box)
food colouring	1 package of 4	G	\$2.00
rubbing alcohol	100 mL	G	\$4.00 (for 500 mL)
water	1 L	—	free
500 mL plastic bottle	1	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$8.00</b>

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
large (600 mL) plastic container	1	D	\$2.00
<b>COST OF REUSABLE ITEMS:</b>			<b>\$2.00</b>

<b>INITIAL COST: \$10.00</b>
------------------------------

## Tools

- drill
- hot glue gun and glue sticks
- kettle



a WOW Lab

# BLUEPRINT

## Weather Station - Shopping List

### The Twist

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
food colouring (optional)	1 package of 4	G	\$2.00
2 L plastic bottle	2	—	free
water	1.5 L	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$2.00</b>

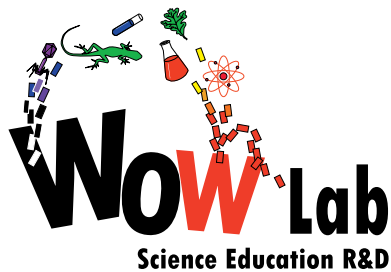
REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
glitter (optional)	1	D	\$1.00
Tornado Tube	1	S (Toy Store)	\$2.50
<b>COST OF REUSABLE ITEMS:</b>			<b>\$3.50</b>

<b>INITIAL COST: \$5.50</b>
-----------------------------

### Tools

- drill





a WOW Lab

**BLUEPRINT**

Weather Station - Shopping List

## Creating Snow

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
diaper	1	G	\$10.00 (for 24)
resealable sandwich bag	1	G	\$3.00 (for a box)
newspaper	1	—	free
<b>COST OF CONSUMABLE ITEMS:</b>			<b>\$13.00</b>

**INITIAL COST: \$13.00**

## Tools

- scissors
- dropper