

EARTH, MOON, SUN & SHADOWS Materials Cost

Item	Each	Multiples
Weatherproof Board including Hardware and Shadow Stick	\$90	3 or more/\$80 ea
Giant Protractor	\$45	2 or more/\$40 ea
Shatterproof Level	\$6	
Compass	\$12	
Set of 4 giant Acetate Sheets in a Storage Tube	\$12	
Acetate Sheet, each	\$2	
Professional 4 cell Maglight flashlight with Batteries	\$30	
Set of 12 fine tip Permanent Markers	\$10	

Recommended Order for One Teacher

Item	Units	Total Price
Weatherproof Board including Hardware and Shadow Stick	4 @ \$80	\$320
Giant Protractor	2 @ \$40	\$80
Shatterproof Level	4 @ \$6	\$24
Compass	4 @ \$12	\$48
Set of 4 giant Acetate Sheets in a Storage Tube	1 @ \$12	\$12
Professional 4 cell Maglight flashlight with Batteries	4 @ \$30	\$120
Set of 12 fine tip Permanent Markers	1 @ \$10	\$10
Total		\$614

Recommended Order for Two Teachers in One School

Item	Units	Total Price
Weatherproof Board including Hardware and Shadow Stick	8 @ \$80	\$640
Giant Protractor	4 @ \$40	\$160
Shatterproof Level	8 @ \$6	\$48
Compass	8 @ \$12	\$96
Set of 4 giant Acetate Sheets in a Storage Tube	1 @ \$12	\$12
Acetate Sheets for additional data through the year	8 @ \$2	\$16
Professional 4 cell Maglight flashlight with Batteries	6 @ \$30	\$180
Set of 12 fine tip Permanent Markers	1 @ \$10	\$10
Total		\$1162

Indoor Activities:

These are best done in groups of three to five students. Thus on indoor activity days, a teacher ideally should have access to 6 boards so that the smaller group size is a possibility. These activities require the use of flashlights with a focusing lens such as the 4 cell Maglight.

Outdoor Activities:

Three boards are sufficient for each class, but having a fourth board set up as a sample facilitates efficiency. Because teachers often prefer to go outside with students on the actual equinox or solstice, it is best to have three of the boards, compasses, and levels for each teacher, plus at least one set up as a sample. A class should have at least two giant protractors, but as many as six can be useful.

Teachers also need to provide:

- 6 meter sticks
- Student metric rulers
- Student protractors
- Student compasses
- Graph paper
- Plain paper
- Large paper (36" x 48") for each class on each board
- Masking tape
- Any items normally included in a set which are not purchased in the materials

A Note about the Shadow Board designs:

There are three **Shadow Board** designs:

- Compass Rose
- Protractor
- Grid

There are benefits associated with all three designs, thus an assortment is recommended. You may select any specific combination of the designs that you wish.

EARTH, MOON, SUN & SHADOWS Materials - Order Form

ACASE

110 Spring Street
Saratoga Springs, New York 12866

Item	Number	Total
Weatherproof Board including Hardware and Shadow Stick		
Giant Protractor		
Shatterproof Level		
Compass		
Set of 4 giant Acetate Sheets in a Storage Tube		
Acetate Sheet		
Professional 4 cell Maglight flashlight with Batteries		
Set of 12 fine tip Permanent Markers		
Total Order		

Shipping is included within 120 miles of Saratoga Springs.

School Name: _____

School Address: _____
