



Materials List

This kit is prepared for 8 groups of 3.

Quantity	Item
Non-Consumable Items	
1	<i>Engineering Design Process</i> poster
1	<i>Engineering Everywhere Special Report</i> video
1 set	pattern blocks, 100
8	rulers
8	scissors
50	flat mirrors, approx. 2.5" x 3.5"
100	binder clips, medium, 5/8" capacity, 1 1/4" width
Consumable Items	
1 bottle	white glue
4	shoeboxes with lids, 7" x 5" x 12"
4	tri-fold boards, 48" x 36"
6 sheets	styrofoam, 12" x 12" x 1"
8 packs	crayons, 8 assorted colors
8 packs	highlighters, 6 assorted colors
8	plates, paper, small
8 rolls	tape, masking
20	cups, paper, 3 oz.
24 sheets	cellophane, blue
24 sheets	cellophane, red
40 sheets	craft foam
50	craft sticks
55	cups, paper, 8 oz.
60 sheets	construction paper
60 sheets	copy paper
60 sheets	felt, 9" x 12"
75	manila folders
80	pipe cleaners
100	rubber bands, 3" x 1/8"
1000	index cards
4000	straws, regular
4000	straws, thin*



Materials List (continued)

NOT INCLUDED IN KIT	
1 pad	chart paper
1	utility knife
8	blindfolds
8 packs	markers, 8 assorted colors
9	small boxes or stacked textbooks for obstacles in Activity 1
8–12	optional: curved mirrors or lenses
8–12	optional: recycled containers (e.g., juice cartons, yogurt containers)
4000	optional: straws, thin*

*The thin straws used in this unit are commonly called coffee stirrers or cocktail straws and are typically 1/8" in diameter. Youth use 4,000 thin straws throughout the unit. Consider providing more thin straws for youth to use in Activities 4 and 5.