

Science Academies for Grades 5-8, Part 2 Materials

Grade 7 Teachers

Lesson	Materials	Quantity Needed for 30 Participants	Quantity Needed for Group of 3
Engage	half-sheet of blank paper	30	1 per student
Explore	meter stick or metric measuring tape	10	1
	push-pull spring scale (5N or 10N)	10	1
	sand or gravel	1 bag	
	small bottle with lid, such as a small soda bottle	10	1
	small screw hook/screw eye	10 screws	1 screw
Explain	access to a glossary or dictionary is optional; digital access can be used in training		
Elaborate	metric ruler, meter stick or metric measuring tape (from Explore)	10	1
	load object (from Explore)	10	1
	push-pull spring scale (from Explore)	10	1
	two different lengths of cardboard or foam board to use as inclined planes For example: <ul style="list-style-type: none"> • one 15 cm x 40 cm length • one 15 cm x 55 cm length The lengths may be adjusted based on the height of the box or crate used in the activity.	10 of each size	1 pair
	empty cardboard box or plastic crate	10	1
Evaluate			