

Science Academies for Grades 5-8, Part 2 Materials

Grade 5 Teachers

Lesson	Materials	Quantity Needed for 30 Participants	Quantity Needed for Group of 3
Engage			
Explore	marbles (16mm)	90-130	9-13
	marbles (25mm)	10-30	1-3
	meter stick	10	1
	sidewalk chalk (optional)	10 sticks	1 stick
	sorting circle	10	1
	string (optional)	20 meter length	2 meter length
	tape (only necessary if using string)	10 rolls	1 roll
	clock or timing device	1	for teacher only
Explain			

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Lesson	Materials	Quantity Needed for 30 Participants	Quantity Needed...
Elaborate	aluminum foil	1 box	Materials will be bagged according to the cards on RM 7.
	bar magnet	2	
	brick	1	
	bubble wrap	1 meter length	
	chalk	5-10 sticks	
	clear tape gift wrap dispenser	2	
	coffee filter	2	
	foam ball (6-8 cm in diameter)	1	
	foam board	3-5 sheets	
	freezer paper	1 box	
	goggles	6-10	
	horseshoe magnet	2	
	magnetic wand	2	
	masking tape	5-10 rolls	
	meter sticks	10	
	paper clips	30	
	paper cup, 3 oz.	3	
	plastic toy soldier	2	
ring magnet	2		

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Lesson	Materials	Quantity Needed for 30 Participants	Quantity Needed...
Elaborate (continued)	rubber bands (medium-size)	6-8	Materials will be bagged according to the cards on RM 7.
	sandpaper (coarse)	6-8 sheets	
	spray bottle	3	
	spring scale (5 N and 10 N)	3 each	
	staples	75-100	
	straws	5	
	string	10 meter length	
	textbook (substitute manuals/guides)	3	
	timing device	3	
	towel	2	
	toy car	2	
	wax paper	1 box	
	wooden block (heavy)	1	
	alcohol wipes (to clean goggles)	1 box	
	access to technology		
	cardstock		for teacher only
	sandwich-size resealable plastic bags		2 for teacher
Evaluate			