

Appendix E — Version 7: Manipulative List

Manipulative	ELA	Math	Science
Level I			
1 writing implement familiar to student	•		
1* blank piece of lined paper	•		
1 favorite, age-appropriate book	•		
5 yellow one-inch blocks	•	•	
1 cube		•	
1 ball		•	
4 markers (same color/size)		•	
3 red one-inch blocks		•	
2 small water bottles		•	
1 large water bottle		•	
6 pennies		•	
1 bottle of bubbles			•
1 device with push button			•
3 clear, resealable sandwich-size plastic bags			•
1 citrus fruit			•
7* cotton balls			•
1 green 5-inch square piece of construction paper			•
1 yellow 5-inch square piece of construction paper			•
1 blue 5-inch square piece of construction paper			•
3 clear plastic cups			•
1 cup of water			•
Level II			
1 favorite, age-appropriate book	•		
1 crayon	•		
1 individual classroom schedule	•		
1 writing implement familiar to student	•		
1 clear plastic cup	•		
1 spoon	•		
1 small box	•		
1 small ball	•		
1 bowl	•		

*Asterisk denotes a manipulative to be treated as a single-use item. These manipulatives should only be used on the task they are associated with and should be discarded after the task has been completed by the student.

Manipulative	ELA	Math	Science
1 toy car	•		
5* blank pieces of lined paper	•	•	
10 yellow one-inch blocks	•	•	
1 twelve-inch ruler		•	
1 scale familiar to student		•	
1 pencil		•	
1 12-inch piece of string		•	
1 full bottle of glue		•	
1 empty wallet/change purse		•	
2 pennies		•	
2 quarters		•	
2 one-dollar bills		•	
3* graham crackers		•	
1 thermometer		•	
1 straw		•	
1 cup of sand		•	
Level III			
1 favorite, age-appropriate book	•		
1 cube (at least 2 × 2 × 2 inches large)		•	
5 yellow one-inch blocks		•	
5 red one-inch blocks		•	
5 blue one-inch blocks		•	
1 calculator		•	
1 pencil		•	
1 dark rock			•
1 smooth rock			•
1 rough rock			•
1 shiny rock			•
1 light-colored rock			•
1 metal spoon			•
1 wooden spoon			•
1 plastic spoon			•
1 plastic straw			•

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Manipulative	ELA	Math	Science
1 steel nail			•
1 wooden stick			•
1 plastic bottle			•
1 piece of aluminum foil			•
1 index card			•
3 identical clear plastic cups filled $\frac{3}{4}$ with water			•
1 three-section sorting structure			•
Level IV			
1 pencil	•	•	
5* blank pieces of lined paper	•	•	
1 calculator		•	
1 one-cup measuring cup		•	
1 $\frac{1}{4}$ -cup measuring cup		•	
1 thermometer		•	
1 tablespoon		•	
1 twelve-inch ruler		•	
6 color counters		•	
2 small plastic cups			•
2* ounces of water			•
2* ounces of mineral oil			•
2 small pipettes or eyedroppers			•
1 bottle of blue food coloring			•
1 sheet of coarse sandpaper			•
1 red one-inch block			•
1 blue one-inch block			•
1 set of assorted books that when stacked are at least 5 inches high			•
1 board at least 12 inches long			•
3 identical plastic bottles with caps			•
3 cups of sand			•
3 cups of flour			•
3 cups of cotton			•
1 road map			•
1 periodic table			•

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Manipulative	ELA	Math	Science
1 newspaper			•
1 coin			•
1 plastic straw			•
1 toothpick			•
1 rock			•
1 cork			•
1 metal nail			•
1 table tennis ball			•
1 steel paper clip			•
1 crayon			•
Level V			
7* blank pieces of lined paper	•	•	•
1 pencil	•	•	
1 bottle of blue food coloring		•	
1 half-gallon of water		•	
1 pitcher		•	
1 two-cup clear measuring cup		•	
10 one-dollar bills		•	
4 quarters		•	
3 $\frac{1}{4}$ -fraction tiles		•	
2 $\frac{1}{2}$ -fraction tiles		•	
2 $\frac{1}{3}$ -fraction tiles		•	
1 calculator		•	•
1 yellow marker			•
1 orange marker			•
1 thermometer			•
1 twelve-inch ruler			•
1 balance			•
1 magnifying glass			•
1 measuring cup			•
1 rock			•
3 clear plastic cups filled with water			•
1* sugar cube			•

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Manipulative	ELA	Math	Science
1* teaspoon of granulated sugar			•
2* tablespoons of vegetable oil			•
1 stir stick			•
1 scale			•
1 250 mL graduated beaker with 150 mL of water			•
1 250 mL graduated beaker			•

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