

Appendix E — Version 1: Manipulative List

Manipulative	ELA	Math	Science
Level I			
1 crayon	•		
1 writing implement familiar to student	•		
1 favorite, age-appropriate book	•		
1* blank piece of lined paper	•		
3 yellow one-inch blocks	•	•	
1 ball		•	
1 cube		•	
4 identical colored markers		•	
3 red one-inch blocks		•	
1 small bowl (4–6 inches)		•	
1 large bowl (8–10 inches)		•	
1 small saucer		•	
1 large dinner plate		•	
1 light counter		•	
5 dark counters		•	
1 small plastic cup			•
1 large plastic cup			•
3 clear, resealable sandwich-size plastic bags			•
1 citrus fruit			•
8* cotton balls			•
3 clear plastic cups			•
1 cup water			•
1 book			•
Level II			
1 daily newspaper		•	
1 twelve-inch ruler		•	
10 yellow one-inch blocks		•	
Level III			
1* blank piece of lined paper		•	
1 pencil		•	
5 yellow one-inch blocks		•	

*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 cube (2 × 2 × 2)		•	
1 4-function calculator		•	
1 wooden block			•
1 magnet			•
1 medium binder clip			•
1 5-inch square of felt			•
1 metal soup can			•
1 dark rock			•
1 smooth rock			•
1 rough rock			•
1 shiny rock			•
1 light-colored rock			•
1 5-inch flat, square piece of aluminum foil			•
1 rectangular pink eraser			•
1 shoe box			•
1 5-inch flat, square piece of paper			•
1 tennis ball			•
5 clear, resealable sandwich-size plastic bags			•
1 ½-cup of water			•
1 ½-cup of salt			•
1 ½-cup of syrup			•
1 ½-cup of dry beans			•
3 identical clear plastic cups filled ¾ full with water			•
1 metal spoon			•
1 wooden spoon			•
1 plastic spoon			•
1 plastic straw			•
1 steel nail			•
1 wooden stick			•
1 plastic bottle			•
1 piece of aluminum foil			•
1 index card			•
2* 8½ inch by 11 inch sheets of paper			•

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Manipulative	ELA	Math	Science
1 black marker			•
Level IV			
1 napkin	•		
1 plastic cup	•		
1 paper plate	•		
1 plastic spoon	•		
6* blank pieces of lined paper		•	
1 4-function calculator		•	
1 pencil		•	
1 one-cup liquid measuring cup		•	
1 twelve-inch ruler		•	
1 thermometer		•	
1 scale familiar to student		•	
5 counters		•	
1 ¼-cup measuring cup		•	
1 tablespoon		•	
1 one-inch block			•
1 metal door key			•
1 yellow crayon			•
1 red crayon			•
1 blue crayon			•
3 identical plastic bottles with caps			•
3 cups of sand			•
3 cups of flour			•
3 cups of cotton			•
1 road map			•
1 periodic table			•
1 newspaper			•
1 coin			•
1 plastic straw			•
1 toothpick			•
1 rock			•
1 metal nail			•

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Manipulative	ELA	Math	Science
1 cork			•
Level V			
1 pencil	•	•	
5* blank pieces of lined paper	•	•	•
1 4-function calculator		•	•
1 bottle of blue food coloring		•	
1 half-gallon of water		•	
1 pitcher		•	
1 two-cup clear measuring cup		•	
1 empty wallet/change purse		•	
1 five-dollar bill		•	
5 one-dollar bills		•	
4 $\frac{1}{4}$ interlocking fraction bars		•	
4 $\frac{1}{2}$ interlocking fraction bars		•	
1 one-cup measuring cup		•	•
1 $\frac{1}{4}$ -cup measuring cup		•	
1 $\frac{1}{2}$ -cup measuring cup		•	
8 quarters		•	
1 yellow marker			•
1 orange marker			•
1 thermometer			•
1 twelve-inch ruler			•
1 balance			•
1 magnifying glass			•
1 rock			•

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