

Appendix E — Version 4: 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	•	•	
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 clock		•	
1 daily newspaper		•	
10 crayons		•	
1 plate			•
1 small plastic cup			•
1 large plastic cup			•
3 clear, resealable sandwich-size plastic bags			•
1 citrus fruit			•
9* cotton balls			•
3 clear plastic cups			•
1 cup of water			•
1 rough rock			•
Level II			
1 daily newspaper		•	
1 twelve-inch ruler		•	
10 yellow one-inch blocks		•	
1 scale familiar to student		•	
1 book		•	
1 stapler		•	

*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
Level III			
1* blank piece of lined paper		•	
1 pencil		•	
1 cube (2 × 2 × 2 inches)		•	
1 4-function calculator		•	
5 yellow one-inch blocks		•	•
2 bowls			•
1 tablespoon of vinegar			•
1 ¼-cup of baking soda			•
1 dark rock			•
1 smooth rock			•
1 rough rock			•
1 shiny rock			•
1 light-colored rock			•
1 marker or crayon			•
4 plastic cups			•
2 pencil erasers			•
5 binder clips			•
2 cotton balls			•
1 red construction paper cut to 8 1-inch squares			•
5 clear, sealable 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			•
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			•

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Manipulative	ELA	Math	Science
1 index card			•
3 clear plastic cups filled full with water			•
Level IV			
5* blank pieces of lined paper		•	
1 4-function calculator		•	
1 pencil		•	
1 one-cup measuring cup		•	
1 ¼-cup measuring cup		•	
1 twelve-inch ruler		•	
1 thermometer		•	
1 tablespoon		•	
1 one-inch block			•
1 8–10 ounce cup			•
1 container of water filled with 10 ounces of water			•
2 paper towels			•
3 cups of sand			•
3 cups of flour			•
3 cups of cotton			•
1 crayon or marker			•
1 pair of scissors			•
3 identical plastic bottles with caps			•
1 road map			•
1 periodic table			•
1 newspaper			•
1 3"-diameter yellow construction paper circle			•
1 1"-diameter blue construction paper circle			•
1 coin			•
1 plastic straw			•
1 toothpick			•
1 rock			•
1 metal nail			•
1 cork			•

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Manipulative	ELA	Math	Science
Level V			
1 pencil	•	•	
8* blank pieces of lined paper	•	•	•
1 4-function calculator		•	•
1 one-cup clear plastic measuring cup with $\frac{1}{4}$ -, $\frac{1}{2}$ -, and 1-cup markings		•	•
1 bottle of blue food coloring		•	
1 half-gallon of water		•	
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		•	
3 paper plates		•	
1 half-gallon pitcher		•	
3 cups of water		•	
1 yellow marker			•
1 orange marker			•
1 thermometer			•
1 twelve-inch ruler			•
1 balance			•
1 magnifying glass			•
1 rock			•
1 tennis ball			•

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