

## Unit 7.1 Materials List

Consider this a “Teacher’s Shopping List”. This list contains the physical materials that must be acquired to complete the unit’s lesson activities.

The materials are separated by consumables and non-consumables. Quantities per class listed are the maximum quantities you will need for one class assuming a class of 30 students.

**A note on printed materials:** Handouts, student guides, other paper materials and electronic resources are not listed here. Please refer to individual lesson plans for the most up-to-date links for these items to determine an actual page count of printed materials needed for a particular lesson.

Consumable Materials		
Description	Total Quantity Needed per class	Lesson
Science Journal	30	ALL
Unit Folder	30	ALL
Large Chart Paper (1 standard pack)	1	Various
Cardboard (30cm x 10cm minimum)	10	L3
Packaging tape (1 roll)	1	L3
Sticky Notes (1 standard pack)	5	L3, L7
“Splatable” Food Items (e.g. Watermelon, Eggs, Milk Cartons)	3	L4
Cleaning Supplies (e.g. Paper Towels, Disposable Plastic Tarps)	1	L4
Masking tape (1 roll)	10	L4
Paperclip	10	L4, L5
String (1 meter)	30	L4, L5, L6
Poster Paper	10	L4
Graph Paper	30	L5

Grapes (bunch)*	1	L5
Marshmallows (bag)*	1	L5
Cardstock or Thick Paper (8.5x11)	10	L6
Small Paper Cup	10	L6
Balloons***	10	L8
AA Batteries	22	L9
Sandpaper (1 sheet)	1	L3, L9

<b>Non-consumable Materials</b>		
<b>Description</b>	<b>Quantity per class</b>	<b>Lesson</b>
Colored Markers (1 standard pack)	10	Various
Colored Pencils (1 standard pack)	10	Various
Whiteboard	1	Various
Highlighter	30	L1
<a href="#">Block magnets</a> (Amazon, n.d., package of 12)	4	L3, L8
3 inch Common Nail	30	L3, L9
Exacto Knife	1	L3
<a href="#">Coiled Wire</a> (Amazon, n.d., 3212 foot spool)	2	L3
<a href="#">Light Bulb</a> (Small Bear Electronics, n.d.)	10	L3
Spacers: Plastic or Piece of Folded Paper (Optional)	20	L3
Voltmeter or Multimeter (Optional)	10	L3
Ladder	1	L4
Ruler	10	L4
Meter stick	10	L4
Metal Washer	50	L4, L5

Empty small box (matchbox, paper clip box, etc.)	10	L4, L5
Scissors	10	L4, L6
<a href="#">Density Blocks</a> (10 piece set - Ajax Scientific)	1	L5
Pompoms (small bag)*	1	L5
Rubber Bands	20	L6
Straw (not bendable type)	10	L6
Single Hole Punch	10	L6
Stopwatch	10	L6
Box Fan (with low, med, high speeds)	10	L6
Matchbox Car**	1	L7
Ramp**	1	L7
Thick Rubber Bands**	30	L7
Collision Track**	1	L7
Carts**	2	L7
Empty Box**	1	L7
Pendulum**	1	L7
Plastic Rods***	10	L8
Glass Rods***	10	L8
Cloth***	10	L8
Fur***	10	L8
Towels***	10	L8
Carpet***	10	L8
<a href="#">Bar magnets</a> (pack of 2)***	10	L8
<a href="#">Horseshoe magnets</a> (pack of 12)***	2	L8
<a href="#">Disc magnets</a> (pack of 10)***	2	L8

<a href="#">Kitchen/ceramic magnets</a> (2 packs of 54)***	1	L8
Ball Bearing***	10	L8
Marbles***	10	L8
Pennies***	100	L8
Staples***	500	L8
Plastic Beads***	100	L8
Paper Pieces***	100	L8
Tissue Pieces***	100	L8
Styrofoam Pieces***	100	L8
Hair (student's head)***	--	L8
Plastic Bags***	10	L8
Compass***	10	L8, L9
Tin Foil (1 standard roll)***	1	L8
Empty Pop Can***	10	L8
Small Paper Clips	550	L8, L9
<a href="#">Battery Holder</a> (pack of 12)	1	L9
<a href="#">Alligator Clips</a> (pack of 10) (Optional)	2	L9
<a href="#">18 Gauge Insulated Wire</a> (100 foot spool)	2	L9
<a href="#">20 Gauge Insulated Wire</a> (158 foot spool)	1	L9
<a href="#">22 Gauge Insulated Wire</a> (100 foot spool)	1	L9
2 inch Common Iron Nail	10	L9
4 inch Common Iron Nail	10	L9

\* Items are suggested items for the demonstration catapult in Lesson 5. Teachers do not need all three, but should choose one object, or select a similarly sized object from the classroom.

\*\*Items are suggested items for a variety of demonstrations in Lesson 7. Teachers should read through the listed demonstrations and choose 2 or 3 demonstrations to do in class.

\*\*\*Items are suggested items for the open explorations in Lesson 8. Teachers should use what's available in their classroom, school, or home before purchasing new materials.