

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

Non-consumable Materials		
Description	Quantity per class	Lesson
Colored Markers (1 standard pack)	10	Various
Colored Pencils (1 standard pack)	10	Various
Whiteboard	1	Various
Highlighter	30	L1
Block magnets (Amazon, n.d., package of 12)	4	L3, L8
3 inch Common Nail	30	L3, L9
Exacto Knife	1	L3
Coiled Wire (Amazon, n.d., 3212 foot spool)	2	L3
Light Bulb (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
Density Blocks (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
Bar magnets (pack of 2)***	10	L8
Horseshoe magnets (pack of 12)***	2	L8
Disc magnets (pack of 10)***	2	L8

Kitchen/ceramic magnets (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
Battery Holder (pack of 12)	1	L9
Alligator Clips (pack of 10) (Optional)	2	L9
18 Gauge Insulated Wire (100 foot spool)	2	L9
20 Gauge Insulated Wire (158 foot spool)	1	L9
22 Gauge Insulated Wire (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.