



# AP Physics 1 Lab Materials List

Name: \_\_\_\_\_  
AP Physics 1  
Lab Materials List

Item	Needed for which semester course?	
	AP Physics 1A	AP Physics 1B
bags: <i>small food storage bags work well, used for some experiments and can be used to store/organize lab materials too</i>	X	X
basket or box	X	
battery: <i>6 volts</i>		X
binder clips		X
books: <i>used to raise objects like ramps to various heights</i>	X	
cart: <i>small toy car or truck that rolls smoothly and freely</i>	X	
coffee filters <i>paper coffee filters, any size</i>	X	
cell phone or tablet: <i>for recording data, e.g. to record video and play back in slow motion, to measure angles, use as a stopwatch, etc.</i>	X	X
clamp: <i>C-clamp, 3 inches, used to stabilize/connect lab equipment</i>	X	X
clothes pins		X
cups: <i>plastic or foam cups work well</i>	X	X
glue sticks	X	X
graph paper or software for graphing: <i>Vernier Graphical Analysis 4 free in apple app store or google play store; Microsoft Excel, etc.</i>	X	X
meter stick	X	X
multimeter: <i>voltmeter/ammeter/ohmmeter</i>		X
paper clips	X	
paper towels	X	X
protractor	X	X

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pulley	X	X
rubber bands	X	X
ruler: <i>metric</i>	X	X
safety glasses	X	X
sandpaper	X	
scale: <i>a kitchen scale that measures mass in grams will work well</i>	X	X
scissors	X	X
slinky		X
small containers	X	
small objects: <i>coins, stones, nuts and bolts, washers, dry beans, etc. work well</i>	X	
software: <i>Vernier Video Physics available in apple app store or google play store for \$4.99; Adobe Reader</i>	X	X
sphere: <i>large, a soccer ball, basketball, volleyball, bowling ball, etc. works well</i>	X	
sphere: <i>medium, a golf ball, a bouncy ball, or a tennis ball work well</i>	X	
spheres: <i>small, marbles work well</i>	X	X
springs	X	
string: <i>fishing line works well, should be thinner than cotton twine and should be a type that you can easily tie a knot with</i>	X	X
tape: <i>duct tape, masking tape, electrical tape, and scotch tape</i>	X	X
track: <i>wood boards or metal or hard plastic sheets about 1 meter in length, must be smooth to reduce friction, can be used as a ramp</i>	X	
wood blocks	X	X