

Required Items for Bends 1 through 3: (Non Consumables Costs and Ordering Information):								
Lesson (s) this is used in	Item	Vendor	Url to order this Item from this vendor	Cost per item	# needed to reuse across all your classes	sub-total for this item	Notes	
5 & 6	Go!Motion Vernier motion detector	Vernier	https://www.vernier.com/products/sensors/motion-detectors/go	\$119	1	\$119		
1 & 7	Used Records	Goodwill or resale shop	Two should have recognizable lyrics (disney or musicals) and one will be broken into pieces for lesson 2 for groups to inspect	\$1.99	3	\$6	two are back-ups for scratches	
1 & 7	OXO Good Grips Turntable, 16-Inch	Amazon	https://www.amazon.com/OXO-Good-Grips-Turntable-16-Inch/dp/	\$6.97	1	\$7	Make a 2nd turntable as back-up	
1 & 7	Hot glue gun	Amazon	https://www.amazon.com/dp/B01LRBB51I?psc=1	9.99	1	\$10		
3 & 6	Set of 4 tuning forks	Amazon	https://www.amazon.com/Medivibe-Technology-Tuning-Forks-Set/dp/	\$29.67	1	\$30		
3 & 14	drum	Amazon	https://www.amazon.com/Remo-Fiberskyn-Frame-Drum-10/dp/	\$18.95	1	\$19		
4, 5 & 6	Hand spring clamp	Home Depot	http://www.homedepot.com/p/HDX-2-in-Spring-Clamp-80002/10	\$0.99	2	\$2		
4	Laser Pointer	Amazon	https://www.amazon.com/Pointers-BATTERIES-INCLUDED-INDIV	\$9.99	1	\$10		
5 & 6	2 pieces of Wood trim:1/4 in. x 1-3/8 in. x 96 in. Pine Lattice Moulding	Home Depot	http://www.homedepot.com/p/Alexandria-Moulding-WM-267-1-5	\$6.57	2	\$13		
6	1 Music boxes	Amazon	https://www.amazon.com/Kikkerland-Happy-Birthday-Crank-Mu	\$8.99	1	\$9	8 recommended, but not required*	
16 & 17	10 ticking watches in a set	Amazon	https://www.amazon.com/gp/product/B011OP487S/ref=oh_aui_d	\$19.99	1	\$20		
17	2 ft. piece of 2" dia. PVC pipe	Amazon	https://www.amazon.com/PVC-CHARLOTTE-MfrPartNo-07200-02	\$9.65	4	\$39		
17	Cap for 2" dia. PVC pipe	Amazon	https://www.amazon.com/Socket-PVC-Cap-Sched-40/dp/B00GEU	\$2.99	1	\$3		
18	extra long metal slinky - 3" dia.	Amazon	https://www.amazon.com/Helix-Demonstrator-Slinky-Closed-Ext	\$13.99	1	\$14		
18	3" diameter plastic slinky	Amazon	https://www.amazon.com/Original-Slinky-Brand-Plastic-Jr/dp/B0	5.79	1	\$6		
all	Roll of butcher paper	Amazon	https://www.amazon.com/Boardwalk-B2440900-Butcher-Paper-3	\$27.96	1	\$28		
					TOTAL	\$334		
6*	Set of 4 Music boxes*	Amazon	https://www.amazon.com/Kikkerland-Set-Crank-Music-Box/dp/B	27.99 each	2 sets recommended but not required in place of line 13			
Required Items for Bend 4: (Non Consumables Costs and Ordering Information):								
Lesson (s) this is used in	Item	Vendor	Url to order this Item from this vendor	Cost per item	# needed to reuse across all your classes	sub-total for this item		
21	AA battery holder	Amazon	https://www.amazon.com/IKEA-ALKALISK-Alkaline-battery-PIEC	\$6.99	1	\$7		
21	AA batteries	Amazon	https://www.amazon.com/Remington-Industries-28SNSP-25-Ena	\$6.35	1	\$6		
21	Speakers	Amazon	https://www.amazon.com/uxcell-Multimedia-Aluminum-Internal-	\$12.21	1	\$12		
21 & 22	Alligator clips	Amazon	https://www.amazon.com/SE-TL10-10-Piece-Alligator-Clips/dp/B	\$6.91	2	\$14		
22	Magnetic wire	Amazon	https://www.amazon.com/Remington-Industries-28SNSP-25-Ena	\$7.99	1	\$8		
22	set of five Aux cord	Amazon	https://www.amazon.com/Cable-Matters-Headphone-Splitter-5-P	\$8.99	1	\$9		
22	Neodymium magnets	Home Depot	http://www.homedepot.com/p/Magcraft-Rare-Earth-1-2-in-x-1-8	\$12.99	1	\$13		
22	Sandpaper	Home Depot	http://www.homedepot.com/p/3M-3-2-3-in-x-9-in-100-Grit-Medi	\$3.97	1	\$4		
					TOTAL	\$73		
					TOTAL \$ for supplies for bends 1-4	\$407		

[Non-Consumables Supply Lists and Estimated Budget - MS Sound \[Click on this link\]](#)

Materials not part of this budget for all bends 1-4:

All lessons:

- Index cards
- Makers
- Tape
- Pencils
- Scissors

Materials not part of this budget for all bends 1-43

<u>Lesson 1:</u> <ul style="list-style-type: none"> • Sewing needle or dissecting needle. or corsage pin • Push pin • Manilla file folder to cut up (consumable) • Cardboard paper coffee cup • Tape • Weights (ice or pennies) to put in the cup to weight it down. 	<u>Lesson 2:</u> <ul style="list-style-type: none"> • Music instruments (xylophone and guitar/violin on loan from the music department or from students) 	<u>Lesson 4:</u> <ul style="list-style-type: none"> • Flat hand-held mirror or an iphone or roll of reflective duct tape (recommended but not required) 	<u>Lesson 6:</u> <ul style="list-style-type: none"> • Xylophone • Music boxes for groups to inspect (optional) - a video is provided. 	<u>Lesson 9:</u> <ul style="list-style-type: none"> • Electronic scale • Volleyball • Air pump & needle • Tupperware tub with lid and/or ziplock bag • Cell phone 	<u>Lesson 10:</u> <ul style="list-style-type: none"> • Vacuum pump and bell jar for lesson 11 (video is provided in place of this)
<u>Lesson 11:</u> <ul style="list-style-type: none"> • Fish tank or clear plastic tub to fill with water • 2 steel ball bearings or 2 rocks or 2 marbles to bang together in the water • Air tight tupperware container • A cell phone 	<u>Lesson 12:</u> <ul style="list-style-type: none"> • Computers (1 per student) for 1 period with internet access and a web browser. Tablets work as well. 	<u>Lesson 13</u> <ul style="list-style-type: none"> • Salt • Plastic wrap • Large bowl 	<u>Lesson 15* (this is an optional lesson)</u> <ul style="list-style-type: none"> • Marbles (4 per group - same size) • plastic ruler (1 per group) 	<u>Lesson 16:</u> <ul style="list-style-type: none"> • Computers (2 per 6 students) - 1 with a speaker and internet access and web browser, to play a constant tone. 2 with an app installed on them. • Tape measure or meter stick. • String • Optional (marbles from lesson 15) 	<u>Lesson 16:</u> <ul style="list-style-type: none"> • 1-2 Manilla folders for students to cut up (consumable)

Materials not part of this budget for bends 4:

- Old speakers to take apart (from Goodwill or resale shop)
 - Sets of plastic and paper cups, bowls, and plates
 - two digital thermometers
 - two non-digital thermometers