

Names: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## PHYSICS SCAVENGER HUNT

The SPASH Physics Department can use the following items that you might have around the house. If you have these items and don't need them anymore, bring them in! Clean out your garage, bedroom, basement, etc.

**This is for extra credit, worth up to 20 points depending on what you turn in.**

- RULES:**
- \*\*\* Groups of 2-3 persons from your classroom; pool your resources! Some points negotiable.
  - \*\*\* Submit items in one bag, if possible, with this sheet tabulated with your total points.
  - \*\*\* Max points available is 20; all group members receive the group's accumulated total.

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<u>Subm</u>	<u>Item</u>	<u>Points</u>	<u>Limit</u>	
<b>Motion:</b>				
	Hot Wheels car	5	5	
	Hot Wheels curve/loop	10		
	Hot Wheels track/joiner	5	5	
	Record player (operating)	40		
	Battery-powered airplane	40		
	RC toy car/truck	30		
	Yo-yo/Chinese yo-yo	5	5	
	Kinetic art	10-20		
	Pull-back car/string racer	15		
	Klacker balls	20		
	Center of mass toy/Weeble	10-20		
	Top/circular motion toy	10-20		
	Gyroscope	30		
	Energy toys (eye popper, pop-up)	5-10		
	Super balls	2	10	
	Climbing toys	30		
<b>Light/Optics:</b>				
	Stereoscope viewer	30		
	3D Viewmaster	30		
	Tiling mirror (12 x 12)	10		
	Eyeglasses	10	3	
	3D item	5-10		
	Polarized sunglasses	15	3	
	Magnifying glass	15		
	Lens	5-10		
	Mirror, plane	5-15	3	
	Mirror, curved	20		
	Prism	20		
	Kaleidoscope/periscope	15-30		
	Calcite crystal rock	30		
	Fiberoptic flashlight/lamp	30		
	Zoetrope	30		
	Flicker card	5	10	
	Mirror/lens bank	30		
	Laser pointer	40		
	Fresnel lens/retroreflector	10		
	Rope light	20		

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<u>Subm</u>	<u>Item</u>	<u>Points</u>	<u>Limit</u>	
<b>Miscellaneous:</b>				
	Countertop lamp (lava, etc.)	25		
	Scientific calculator (operating)	10		
	Old CD	2	10	
	Moving sand picture	30		
	Magic sand wand	30		
	Fun meal physics	5-20		
	Barometer	30		
	Physics puzzle	10-20		
	Earth/moon globe	25		
	Steel marble	5	5	
	Dart gun with darts (not Nerf)	20		
	Porcelain plate	5	3	
	Ooze tube/liquid motion toy	20		
	Physics toy	10-20		
	Belt	2	3	
	Hand boiler	20		
	Flat red brick (no holes)	5	5	
	Countertop display item	10-20		
	Etch-a-Sketch	30		
	Film canister	2	10	
	Rubix Cube	5		
	Racquetball	2	10	
	Jacobs ladder	10		
<b>Electricity &amp; Magnetism:</b>				
	Small electric motor	10	5	
	Magnetic spin wheel	20		
	Compass	15		
	Magnet	5-10	3	
	Magnetic toys	10-20		
	Speakers (small)	20	1 pr	
	Disposable camera/capacitor	15		
<b>Waves:</b>				
	Singing glass	5	3	
	Hologram card/item	5	5	
	Whirl-a-tube	10		
	Slinky	20	3	

**Total points this column:** \_\_\_\_\_

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*After totaling the points, divide the number by 10 and this is your extra credit.*

**GRAND TOTAL POINTS:** \_\_\_\_\_

**DIVIDE BY 10:** \_\_\_\_\_

**This is your extra credit!**