

Active Astronomy: Classroom Activities for Learning About Infrared Light

Classroom Materials

Red crayons	Crayola color: orange-red or violet red				
Blue crayons	Crayola color: blizzard blue or aquamarine				
Mirrors	assorted				
Remote Controls	Assorted TV, VCR, Stereo				
Misc Supplies and Equipment	Overhead Projector, CD Player, Paper, cardboard, Tape	See the teacher's guide for details			
Item	Vendor	Part #	Cost as of 9/02	Alternate Vendor	Part #
5 cm diameter bifocal	Sargent Welch	#WLS 44501 or WL8068	\$1.60/ 3.95	Flinn Scientific Inc.	#AB1134

Or

Lens set	Sargent Welch	#WL 53200-38L	\$19.99	Flinn Scientific Inc.	N/A
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Special Materials

Item	Vendor	Part #	Cost as of 9/02	Alternate Vendor	Part #
AA battery holder	Radio Shack	#270-401	\$ 0.89	Mouser Electronics	#534-2465
Amplifier/speaker	Radio Shack	#277-1008C	\$11.99	Mouser Electronics	Individual parts may be purchased and assembled.
Alligator clip cables	Radio Shack	#278-1157	\$ 3.99	Philmore-DATAK	#SA22
Audio plug	Radio Shack	#42-2434	\$ 3.99	Philmore-DATAK	#CA48
Capacitor	Radio Shack	#272-1070	\$ 0.89	Mouser Electronics	#140-PM2A224K
LED	Radio Shack	#276-143 or 276-142	\$ 1.79	Philmore-DATAK	#11-681
Photocell	Solar World	#3-300	\$ 6.00	Silicon Solar	#SS SC400
Diffraction grating	Learning Technologies	#PS-08A or PS-08B (50in ² / 360 in ²)	\$ 9/38	Sargent Welch	#WL3820
Blue gel	GAM, Inc.	#850 Primary blue (3.33 SF/ 33 SF)	\$ 6.25/ 49.95	Roscolux Filters	#80 Primary blue
Green gel	GAM, Inc.	#650 Grass green (3.33 SF/ 33 SF)	\$6.25/ 49.95	Roscolux Filters	#389 Chroma green
Red gel	GAM, Inc.	#250 Medium red (3.33 SF/ 33 SF)	\$ 6.25/ 49.95	Roscolux Filters	#27 Medium red