

## **Materials List**

Diffraction cards are available from:

<http://www.envisionlabs.com/optics.html>

Diffraction Materials Card #10030

"class kit" = 25 units, \$95 as of October 2007

and from Arbor Scientific

<http://www.arborsci.com/detail.aspx?ID=938>

Product P3-6490

\$4.50 as of October 2007

Note that the cards are mislabeled -- the last set of holes should say 5000/centimeter, not 5000/inch.

Prisms:

Equilateral Glass Prism from Arbor Scientific

<http://www.arborsci.com/>

<http://www.arborsci.com/detail.aspx?ID=39>

Product ID: 33-0220. \$6.30 each as of October 2007

In principle, schools could create their own optics cards, using large sheets of metal mesh screen or metal cloth. We have not located a retail source of this material in convenient quantities, though there are many suppliers that could be contacted.

Safe, battery operated red laser keychain pointers can be purchased for \$6/each or less. See for example

<http://www.physlink.com/estore/cart/KeychainLaserPointer.cfm>

[http://glowrus.com/5\\_head\\_key\\_chain\\_laser\\_pointer\\_.html](http://glowrus.com/5_head_key_chain_laser_pointer_.html)

ANY laser pointer would make a fine monochromatic (single wavelength) source of light.