**Eyes & Vision**

[Eye Model](https://mysteryscience.com/body/mystery-2/eyes-vision/60?r=46596016#slide-id-1386)

The working model of the eye that student make in this mystery will also be used in the next mystery.

**Step 1: Get lenses.**

To make a model eye, each student will need a credit-card-sized 3X magnifying lens.

To get the best price (30 lenses for under $10), order in bulk online. You’ll find great prices on ebay.com, but you have to plan a few weeks ahead. Search for ebay [“3X credit-card magnifier.”](http://www.ebay.com/sch/i.html?_from=R40&_trksid=p2050601.m570.l1313.TR0.TRC0.H0.X3X+credit+card+magnifier.TRS0&_nkw=3X+credit+card+magnifier&_sacat=0) If you’re in a hurry, these lenses are also available on Amazon ([12 lenses for under $10](https://www.amazon.com/OpticLens-Credit-Magnifying-Lenses-Wholesale/dp/B00C3VQ8VY/ref%3Dsr_1_2?s=toys-and-games&ie=UTF8&qid=1469052771&sr=1-2&keywords=magnifying+lens) or [12 lenses for under $6](http://www.amazon.com/Cosmos-Pocket-Reading-Magnifying-Magnifiers/dp/B00ZU8M8WA/ref%3Dsr_1_46?s=office-products&ie=UTF8&qid=1453759756&sr=1-46&keywords=Magnifying+Fresnel+LENS)).

**Step 2: Try it out yourself first.**

As soon as you have a 3X magnifying lens, use it to make an image. For the best image, you need a dimly lit room and an interesting light source — like a window that lets light in, a lamp with a shade, a television. [Watch this short video](http://bit.ly/1ovhbtY) for a demonstration.

After you’ve made an image, check to see what will work in your classroom. Do you have a door to the outside that you can prop open? A bright window? An interesting light fixture?

**Step 3: Get other supplies and print handouts.**

Each student will need:

* a 3X magnifying lens (described in step 1)
* Front of the Eye template — print it [here](https://mysteryscience.com/print/preview/g/10hAQUMPUZ-t0eyFB4ajP9eU-CELBGaHo_jJdz6yrEqc/presentation/1N1G18g-ifoJvJUr42yxr4rZJ21CHeR55KMFS3FV1C4I/presentation)
* scissors
* a marker, colored pencil, or crayon for coloring the iris
* 2 stickers measuring about ½” by ½”. (We use round sticky dots. You can use tape instead of stickers, but we find it easier to hand out stickers than small strips of tape.)
* a 3x5 card

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