



The Optics Song

(A parody sung to the tune of "Head, Shoulders, Knees, and Toes")



The sunlight shines on where we live (where we live!)

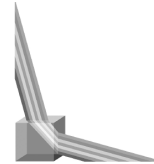
The spectrum's made of ROY G. BIV (ROY G. BIV!)



Image by
Animation
Factory.

Red, Orange, Yellow, and Green and Blue

Indigo and Vi-o-let (Violet!)



Light Rays travel in straight lines (in straight lines!)

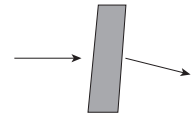
And it happens all the time (all the time!)



Image by
Animation
Factory.

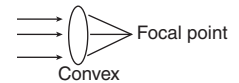
And when it hits a different medium

It refracts and it bends some (it bends some!)



Convex lenses focus light (focus light!)

What was "left" before is "right" (now it's right!)



Beyond the focal point, the image flips

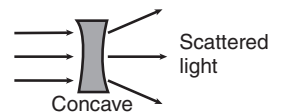
And the image also tips (also tips!)



Image by
Animation
Factory.

Concave lenses scatter light (scatter light!)

The scattered image isn't bright (isn't bright!)



It's blurry and the rays all move away

Refraction makes them fade away (fade away!)

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