



Little Shop of Physics Science Activity Kits

HoloSpex

Put on these glasses, and look at a tiny light - like a Christmas light - and you will get a surprise!

Things to Try

Put on the glasses, and look at a tiny light - something like a Christmas light, or a distant street light. What do you see?

What is Going On

The glasses are called “HoloSpex” because the lenses are actually little holograms! When you look at a light through these glasses, the light is diffracted to make an image of a smiley face. This image is a hologram, which means that the image is stored all over the lens; if you cover up part of the lens, you will still see the whole thing.

Other Things to Try

Turn your head to the side as you wear the glasses; how does the image change? How about if you back up from the light? How do different colors of light appear?

You can also shine a pen laser through the glasses and project an image of a smiley face on the wall. But the coolest thing to do with the glasses is to wear them when you are watching fireworks - the fireworks turn into a sky full of smiling faces!

Safety Information

HoloSpex are perfectly safe - as long as you don't try to drive with them on!!!



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