

STEM ACTIVITY

Heroes of the Bible

Total Time: 15-20 minutes
In Class Time: 10 minutes

You will need:

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- Smartphone or tablet computer
- Wine glass



STEP 1: On your smartphone or tablet, cue up this lesson's SuperVerse Graphic video.

STEP 2: Gather the children. TEACH: In our story, Pastor Aaron called Chris on his hologram phone. Have you ever seen a hologram like that? Do you think we can simulate one?

STEP 3: Turn out the lights and darken the room by closing blinds, curtains, etc. Get the room as dark as you can; complete darkness is not needed.

STEP 4: Set a wine glass on the table and place your smartphone or tablet, screen down, on the rim of the glass while the video plays fullscreen. Look at the reflected image in the wine glass.

STEP 5: Help the children experiment to find the best viewing angle—high, low, and side to side. You may also experiment with other videos. Try searching with the terms “hologram black background”. Be sure to screen any videos you wish to use beforehand, to avoid exposing the children to inappropriate material.

EXPLAINING THE SCIENCE:

The image you see in the wine glass is not an actual hologram. It is a reflection. The glass creates the illusions that 1) the image has depth, and 2) the image is ‘floating’ in the air. But isn't it fun!