

## HOLOGRAM ON A SMARTPHONE

### WHAT IS A HOLOGRAM?

A hologram is a three-dimensional image of an object. A holographic pyramid is a device for viewing holograms. The principle of the holographic pyramid is quite simple - two or more similar images/figures are displayed simultaneously at different angles, which when combined creates a three-dimensional image.

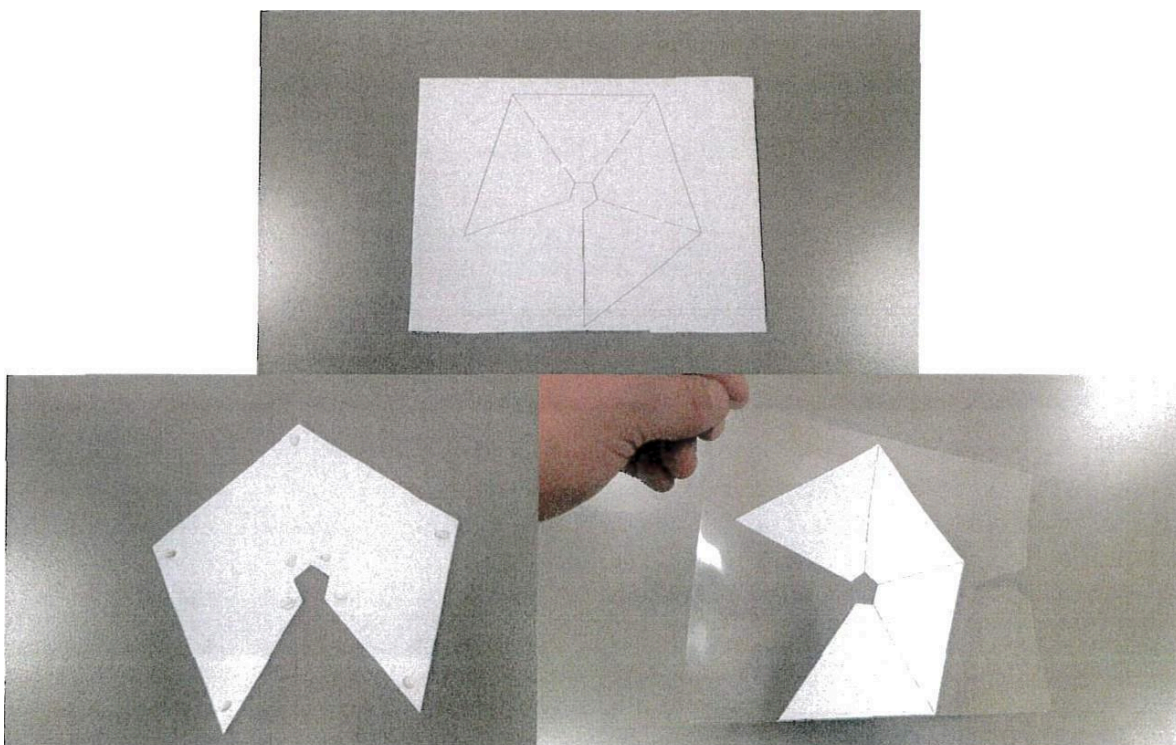
### WHAT WILL WE DO?

We will make a device with which we can see a holographic image/video.

YOU NEED: Template, thick foil, adhesive tape, transparent tape, scissors, mobile phone.

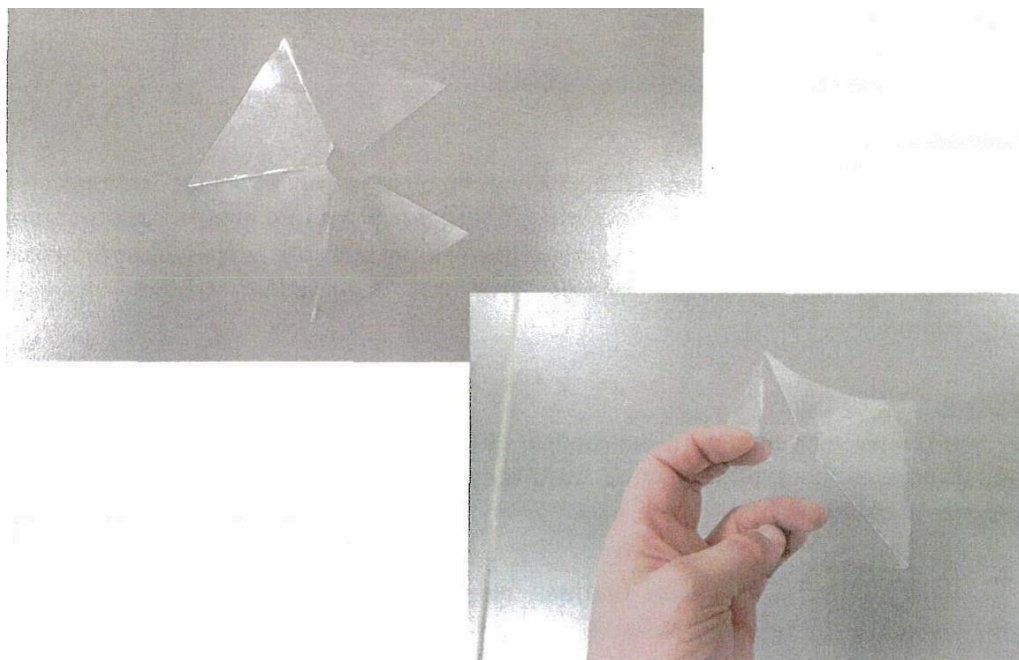
HOW TO MAKE: Making a hologram viewer should start by cutting out a template. Cut out a pyramid template from paper outline.

Then take the film from the set and apply the cut out template on it, fix it with adhesive mass (Multi fix).



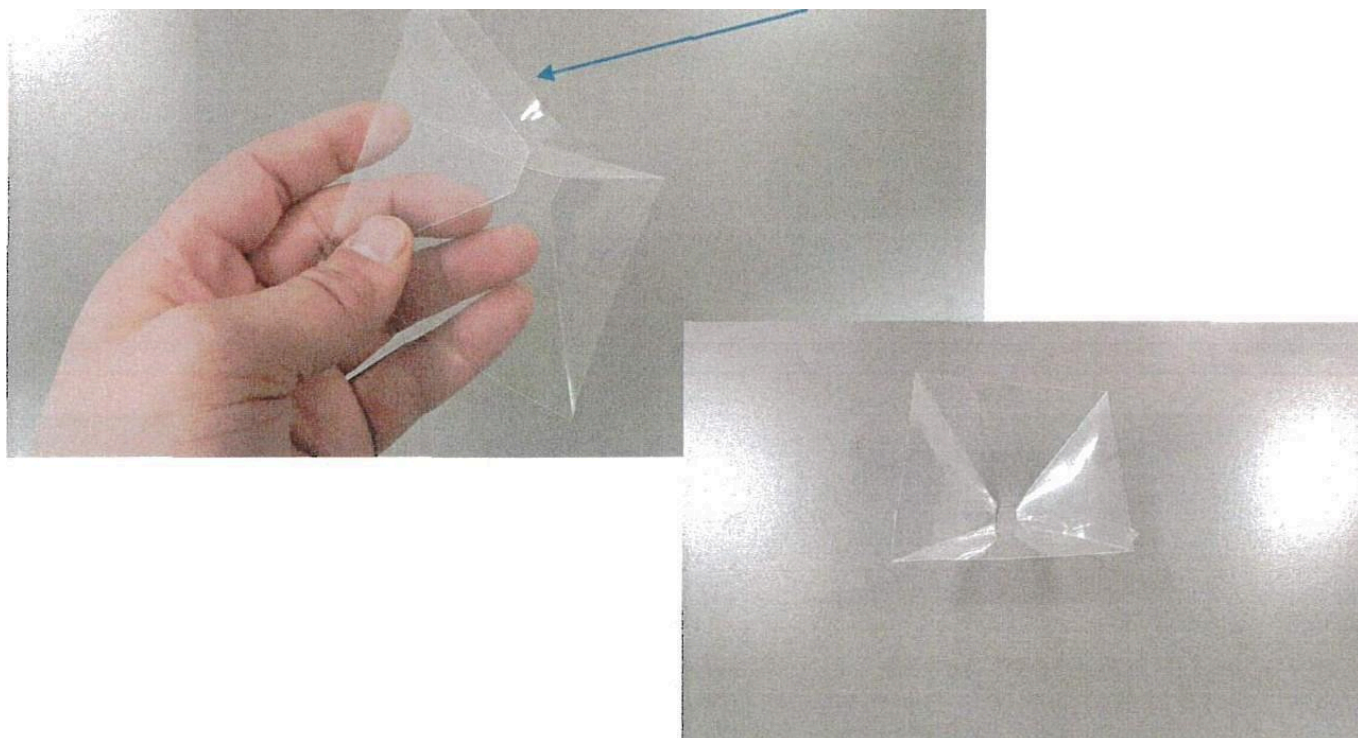
Cut out the same shape from the film using the template.

Without removing the paper template, fold the film along the dotted lines.



Take off the paper template.

Tape the two free sides together with transparent tape. Look at the picture!



You have made your own hologram viewer that you can use on your mobile phone.

Take your mobile phone and open the Youtube application. Enter the keyword "Hologram video" into the search engine. Choose a video you like.

Put it on your mobile phone screen so that the smaller opening is directed towards the screen.

Play the video and look at the resulting hologram from the side. It is best to look at the hologram in a dark room.

