

## Weather Engineering Lab: Create a hologram - “storm in a tea cup”

**Holography** is a photographic technique that records the light scattered from an object, and then presents it in a way that appears three-dimensional.



### Main Goal

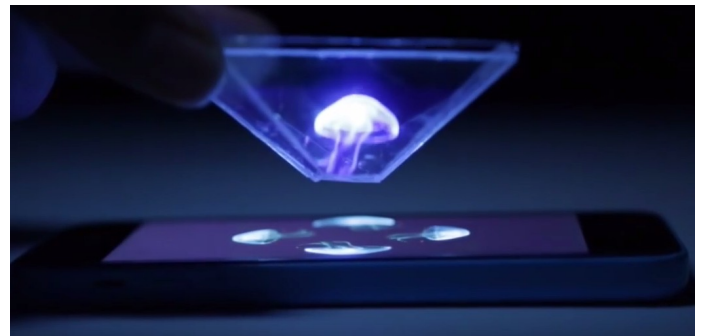
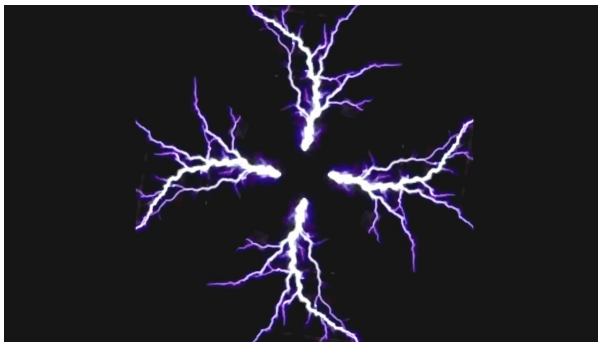
The main goal of the activity is to create a hologram pyramid projector from very simple materials, that will be used for the view of holograms.

### Materials

1. Transparency
2. Clear tape
3. Scissors
4. Pen or pencil
5. Tablet/phone with internet connectivity

### Procedure

- Trace the design on to the transparency
- Cut it out along the outer lines and bend on the inner lines so you form a pyramid
- Open a youtube video “plasma dubstep pyramid” [https://www.youtube.com/watch?v=ASX\\_d0H0HYw](https://www.youtube.com/watch?v=ASX_d0H0HYw) , place your hologram pyramid on it, turn the lights off and watch what happens!



Hologram template to trace (real size):

