

Day 15 – Spy Adventures

Make a Blacklight Reader!

Secret spies often leave messages that can only be seen with a blacklight. Secret messages hidden in plain sight.

To read the hidden messages, you need a black light reader and a blacklight pen.



Materials you will need:

Cell phone with a flashlight

Blue sharpie

Purple sharpie

Yellow highlighter

Tape (the clear kind)

Small bowl of water

Pliers

How to make the blacklight reader:

1. Cover the flash on the cell phone with a piece of tape
2. Color a blue dot over the flash with the blue marker
3. Add another piece of tape over that and color a second blue dot over the first
4. Add a third piece of tape over that and color a purple dot over the blue dots, with the purple marker
5. Next, use the pliers to open the highlighter pen, and remove the writing tip and the ink cartridge
6. Dump the tip and the ink cartridge into the bowl of water
7. Squeeze out all of the excess ink into the water
8. Leave the cartridge to soak in the water for 5 minutes
9. After 5 minutes, keep squeezing and soaking the cartridge until it is very light in color and the water is dark yellow
10. Now, put the pen cartridge and the tip back together in the pen

11. You are ready to write a secret message on your arm, hand or in your spy notebook
12. You can only see them when you use the flashlight reader you just made

Good luck!!!

