



Activity 1

HOW CAN WE OBSERVE SPACE?



Hi everyone, it's me, Emily! This week I'm studying stars, planets and other space objects.

People who do this as a job are called astrophysicists and it really is a never-ending job as there is so much space to explore!

Astrophysicists use telescopes to observe the universe, one of the most famous is called the Hubble Telescope. I don't have my own telescope so I was wondering if you could use your skills to make one for me?

DID YOU KNOW?

There are more stars visible with a telescope than there are grains of sand on our planet!

YOUR CHALLENGE

1 RESEARCH

What does a telescope look like?
What does it have on the inside?



2 BUILD

Make your own telescope!

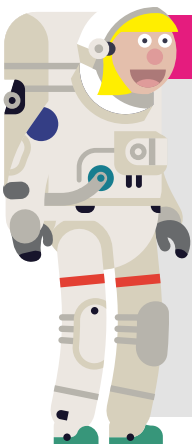


3 EXPLORE

What can you see with your telescope?
Are there any changes you can make to get it to work even better?



DON'T FORGET TO TAKE PICTURES!



EMILY'S TOP TIPS

You could research the Hubble Telescope for ideas of how to make your telescope.

Some telescopes have mirrors.

