



Activity 1

WHAT ARE SATELLITES?



Hi everyone, it's me, Emily! This week I'm looking at meteorology, which is the study and prediction of weather patterns.

I'm hoping you can help me learn about why we get certain types of weather and what weather there is in space.

Did you know that a lot of our information about Earth comes from the satellites in space? Let's find out more.

DID YOU KNOW?

Satellites in 'geostationary orbit' appear completely still from Earth, but they are actually travelling at over 3km per second to keep up with the Earth's spinning!



YOUR CHALLENGE

DON'T FORGET TO TAKE PICTURES!

1 RESEARCH

Find out why we use satellites and what they need.



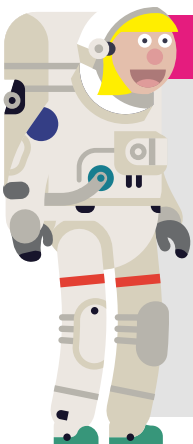
2 BUILD

Make your own satellite and decide what mission it should go on. Where will it go and what information should it collect?



3 PLAN

Think about your satellite's path. Where in your house could it visit? Do some research to find out about different types of orbit.



EMILY'S TOP TIPS

Enlist the help of others in your household to be a 'planet' so that your satellite can orbit something!

