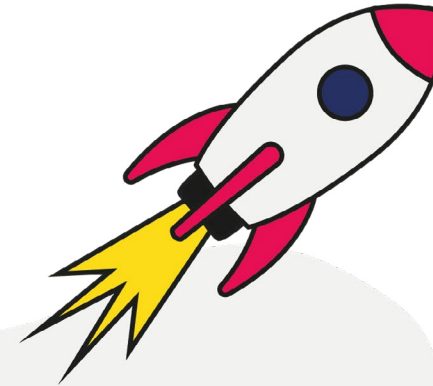




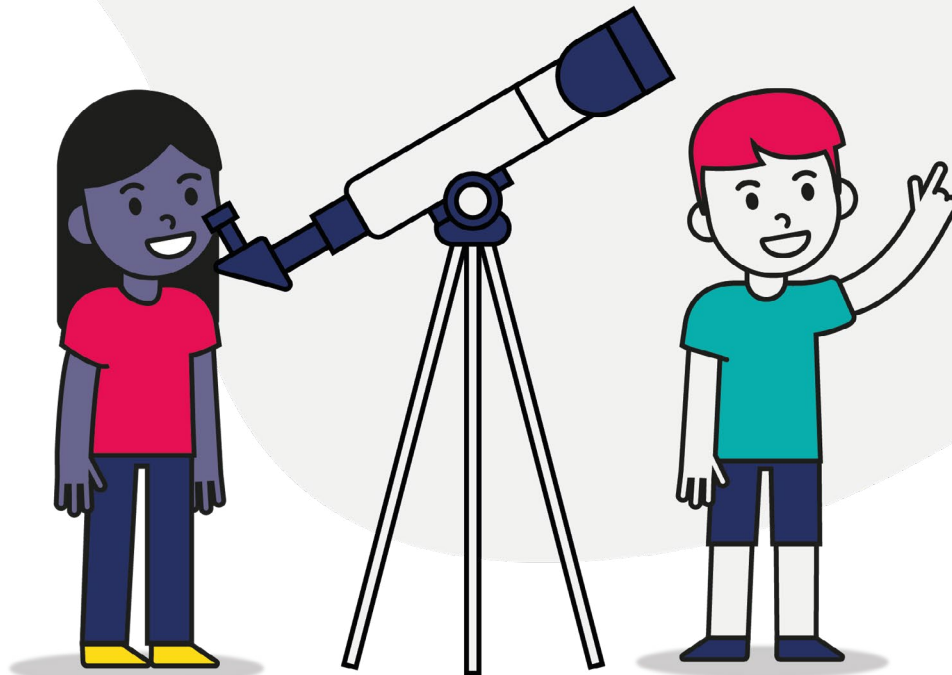
STEM

OPPORTUNITIES IN AVIATION

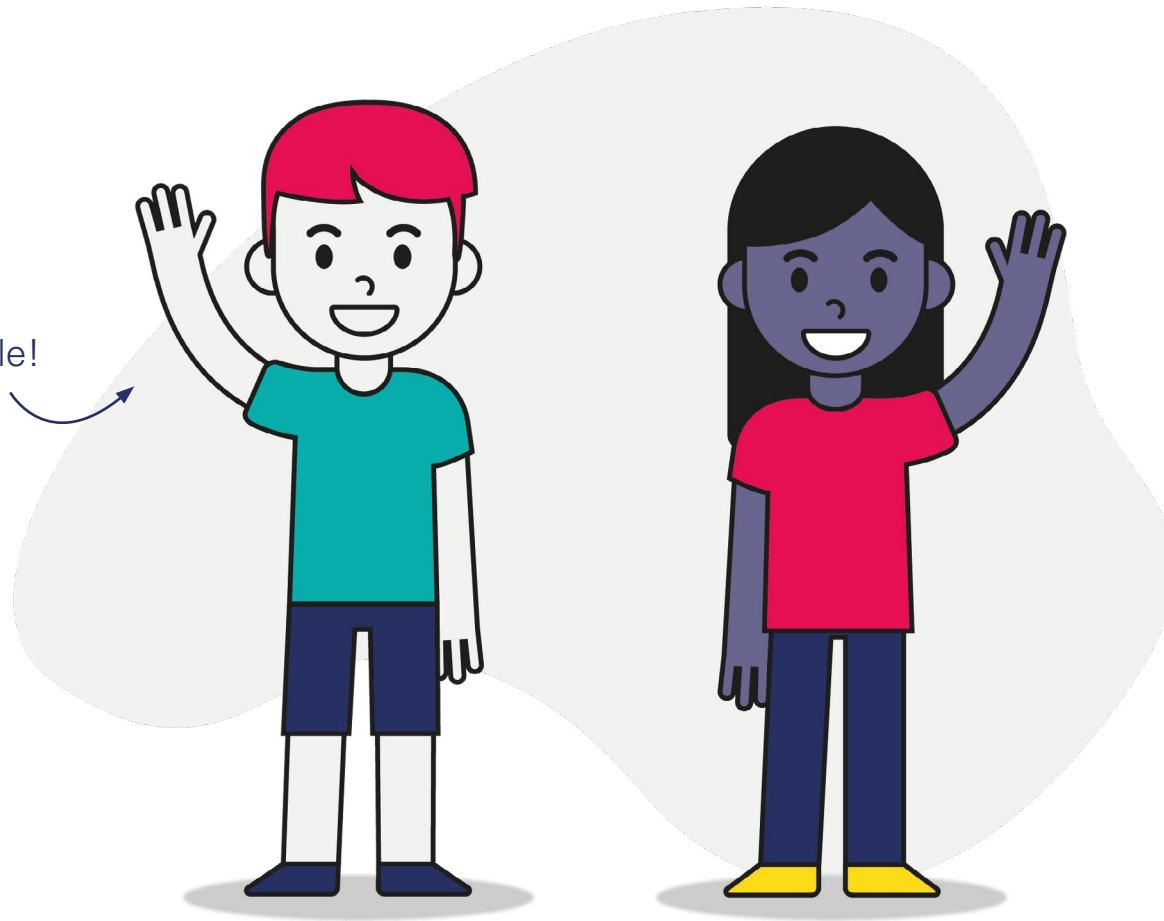


Spacecraft Engineers

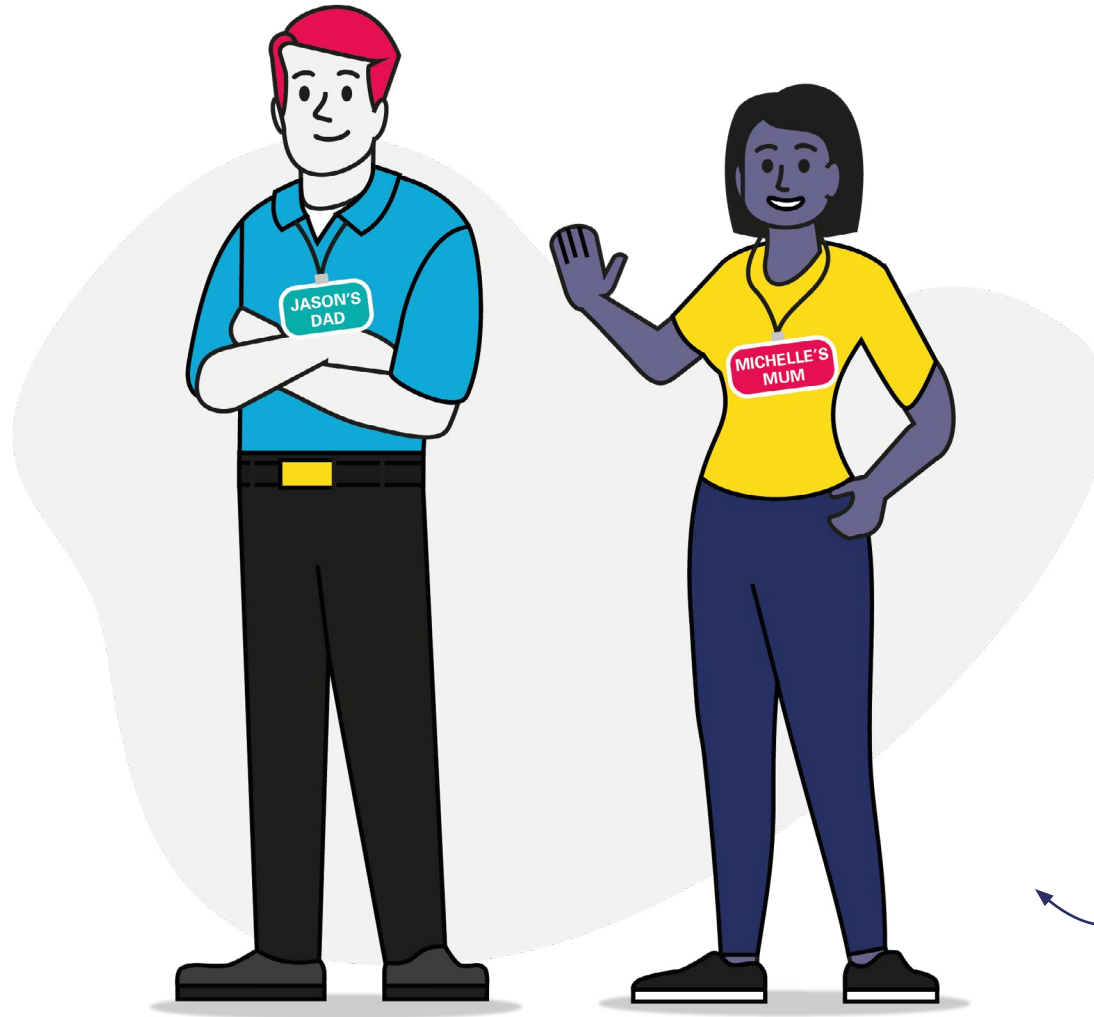
Created by the CAA for key stages 1-3 (ages 5-11)



Click Jason and Michelle!



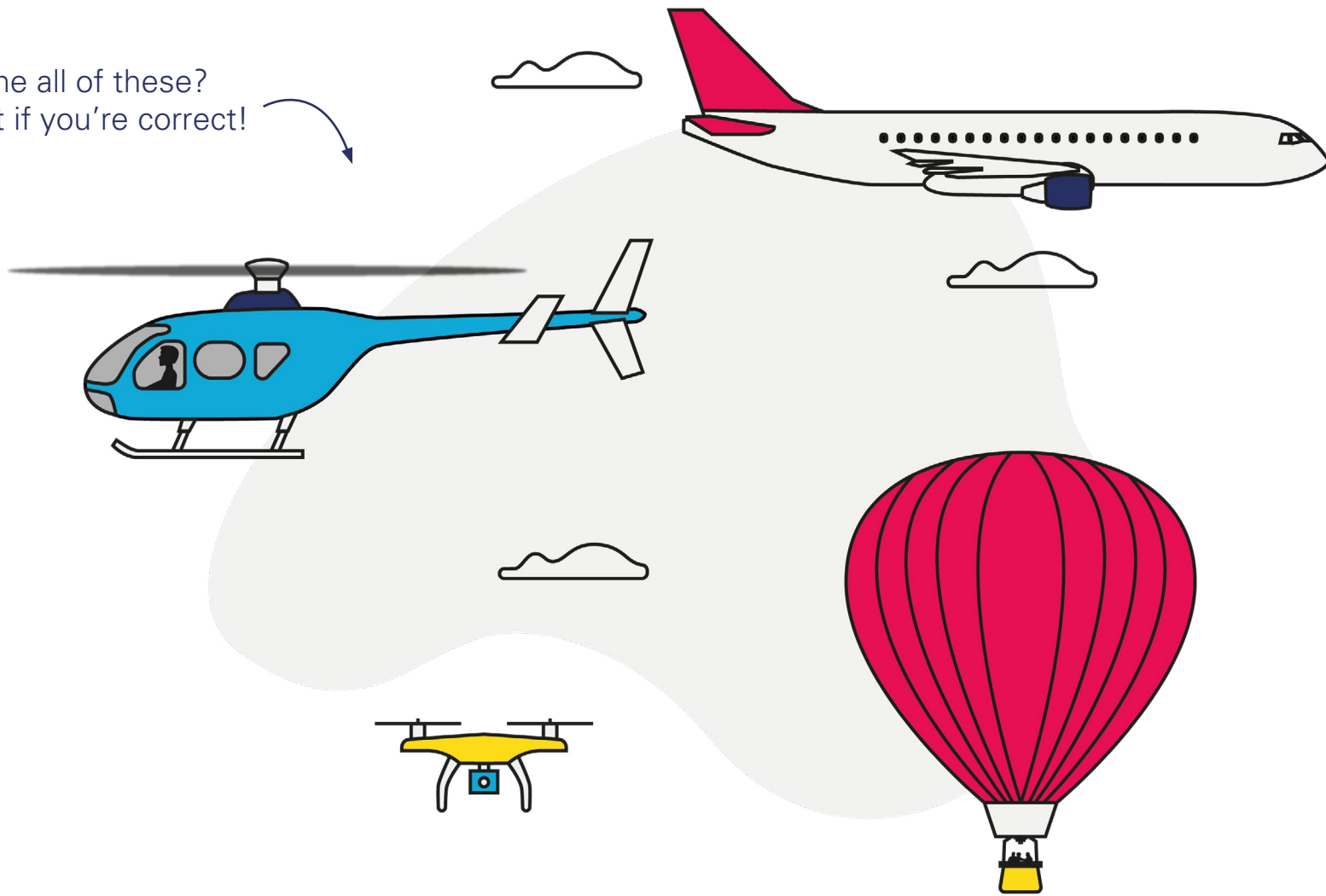
**Our friends Jason and Michelle are on a really cool mission today.
They are finding out all about spacecraft engineers!**



Click Jason and Michelle's
parents!

**Jason's Dad and Michelle's Mum work at the
Civil Aviation Authority or CAA for short.**

Can you name all of these?
Click to find out if you're correct!



The CAA looks after everything to do with things that fly, like aeroplanes, drones, helicopters, hot air balloons and of course, space rockets! They work to keep everyone safe too, whether they are up in the air or down on the ground.



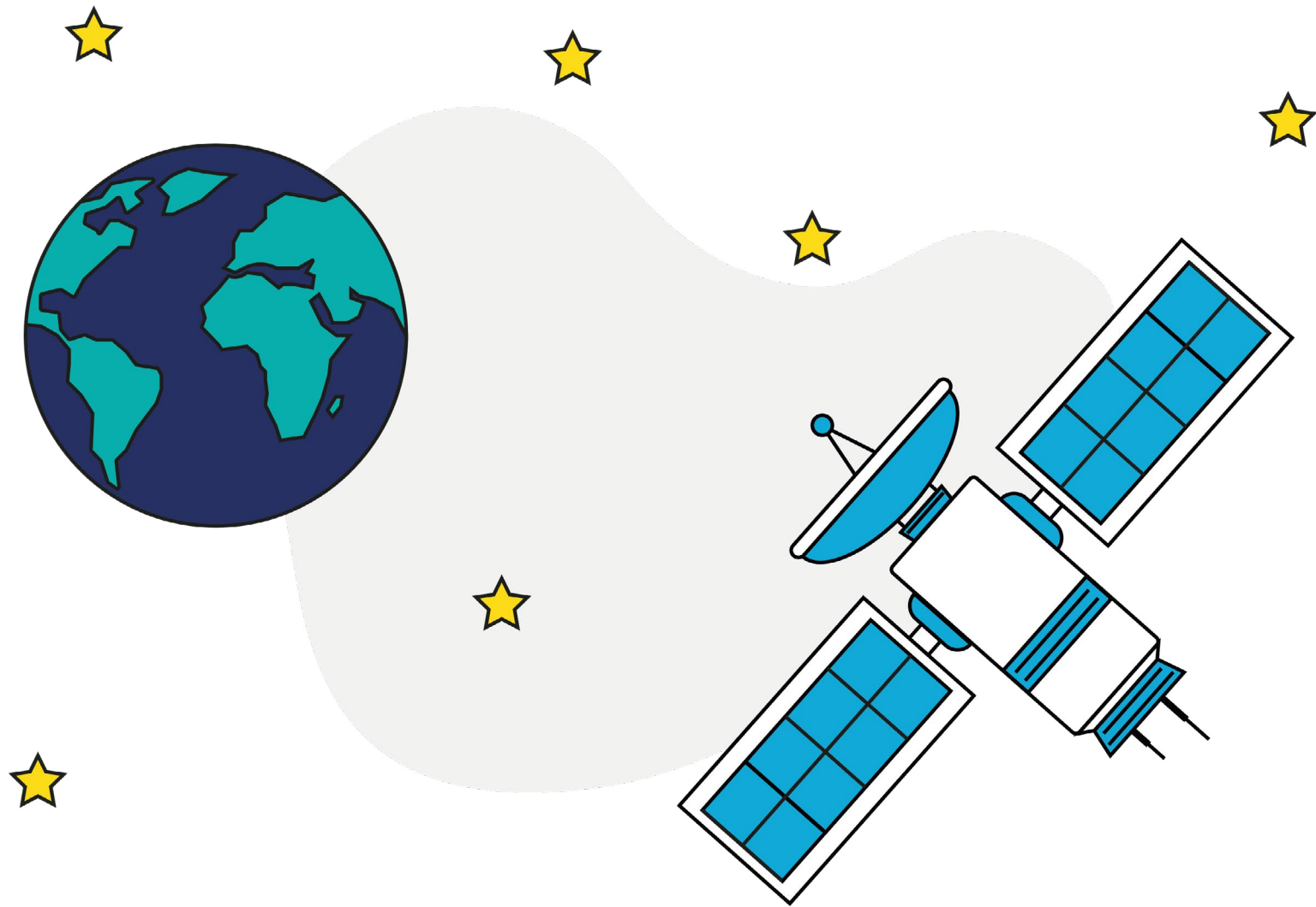
Click the screen to see what Jason and Michelle is looking at!

Sometimes it's fun to look up at the sky at night time and see the stars. You might even see something that looks like a star moving across the sky. It could be something called a satellite which is a small spacecraft which goes round and round the earth.



Click the Rocket for BLAST OFF!

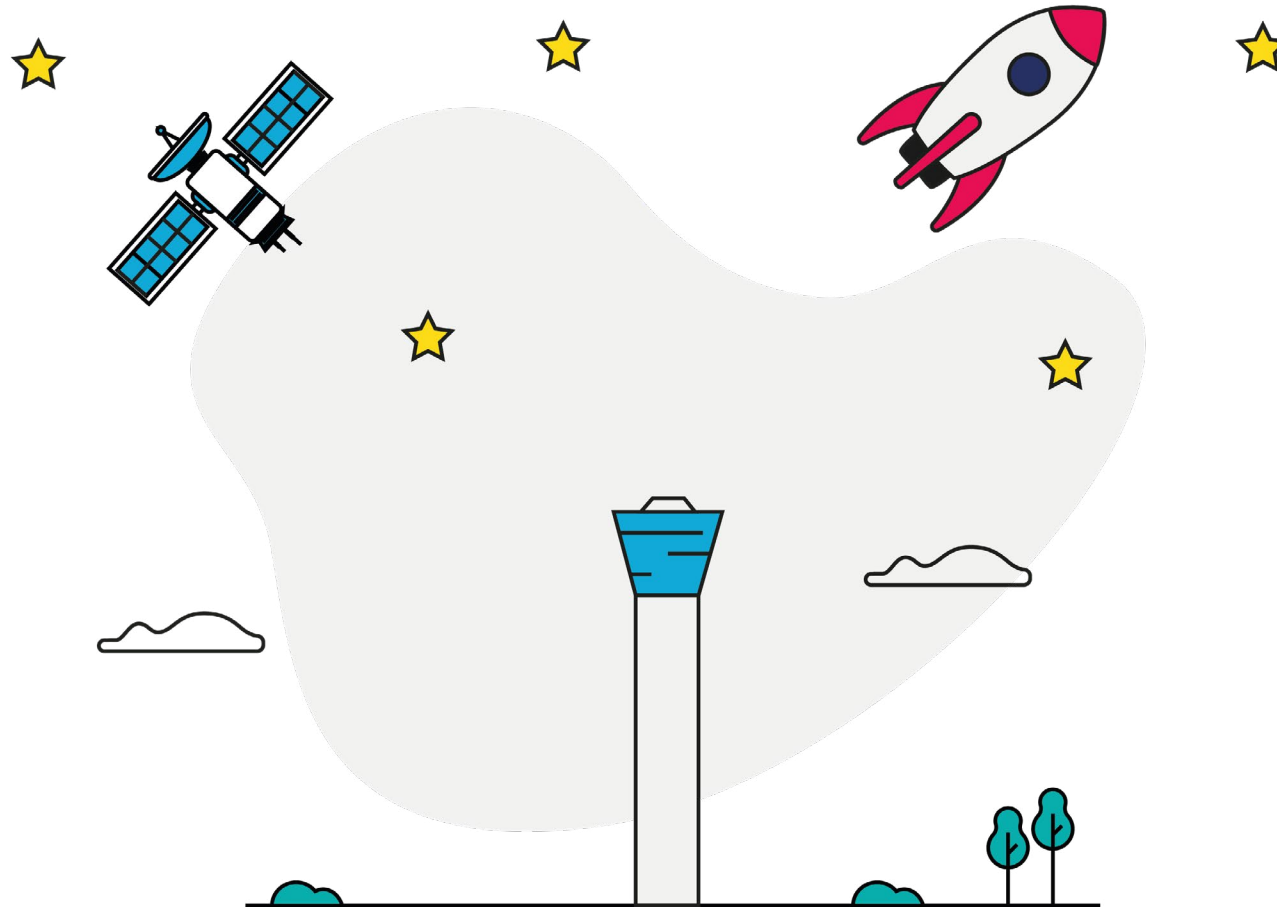
Spacecraft engineers build and design satellites and the rockets they need to get them into space. The rockets are launched from the earth really, really quickly.




Once they are in space, the satellites can be used to look down on the earth, explore space and to help us talk to other people around the world.

 Click the TV to change the channel!

They can even help weather forecasters and beam back pictures of football matches and events from across the world.



They couldn't do any of this without spacecraft engineers. They have such an important job designing and building satellites and rockets and making sure they are safe to go up into space.



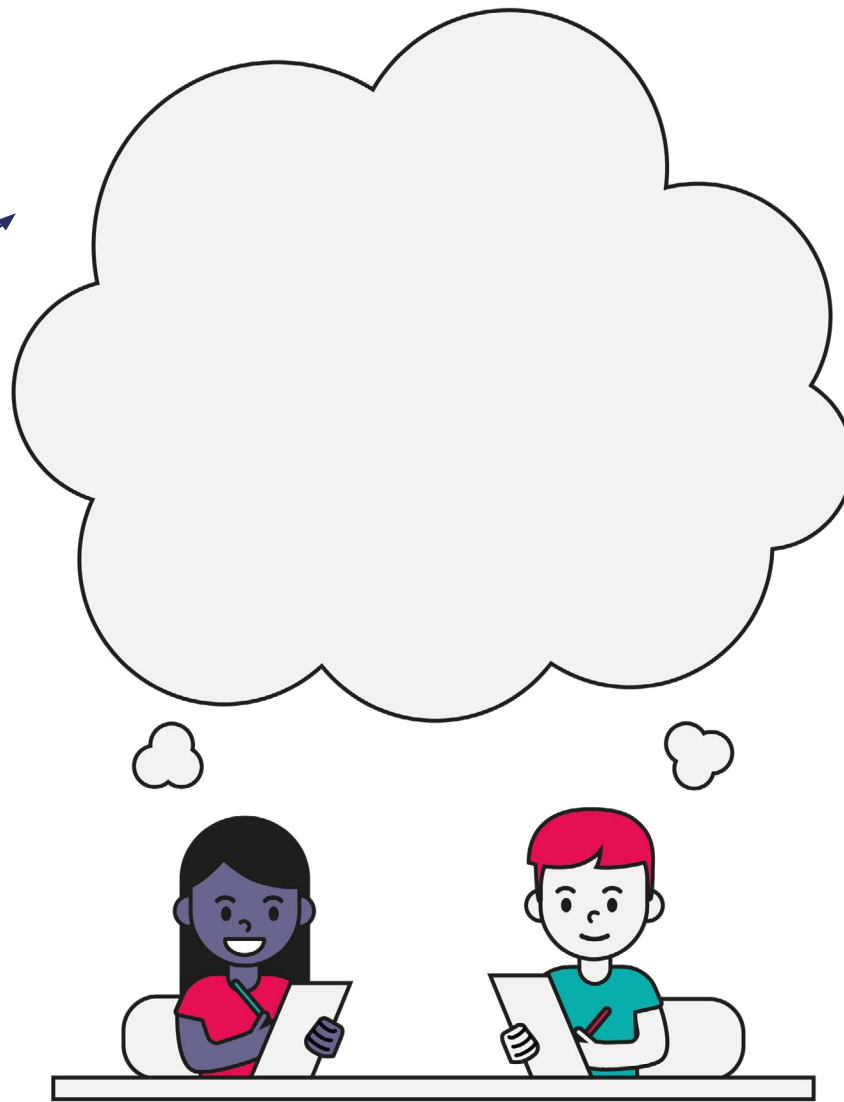
Click the screen to see what the engineer is looking at!

**It's not easy to fix things when they are miles away up in the sky!
Some rockets are controlled by robots, sometimes engineers can see what the satellites are doing and seeing through special cameras and controls.**



Sometimes astronauts go up into space and will fly around in space stations to learn more about space and the planets near us.

Click the thought bubble to see
what they're thinking



Being a spacecraft engineer is such a cool job! If you work hard at school at your STEM subjects, science, technology, engineering and maths, perhaps you could become a spacecraft engineer one day.

Click the page to complete
our mission!



**That's another mission completed. Well done, Jason and Michelle!
Don't forget to join them on another adventure soon!**