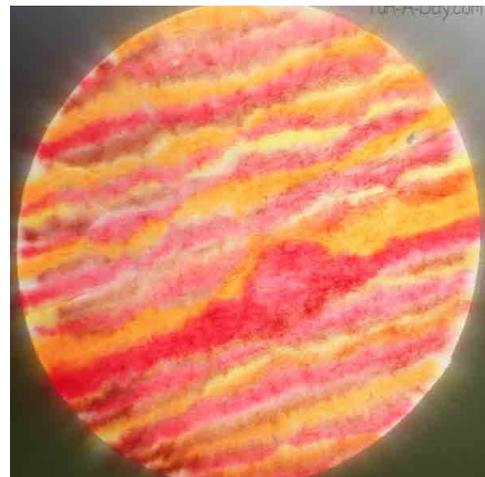
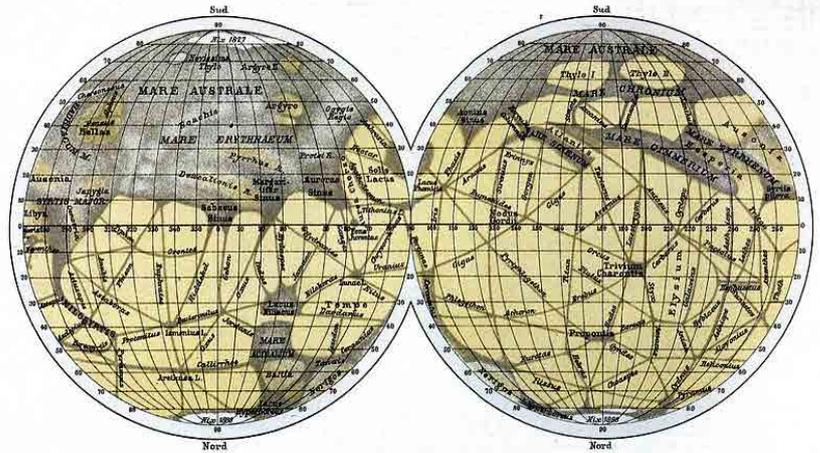




## Activity 1: Mars – The Red Planet

The Romans named the Mars after their God of War because of the planets blood red colour. Mars is a dry, dusty planet with spectacular craters and deep valleys, a landscape similar to Earth's desert environments. The planet also has the largest storms in the Solar System creating a huge amount of red dust that covers the entire planet.

**To Do:** Draw, paint or make a collage of your own idea of Mars. Be inspired by the images and the descriptions of Mars' environment. Below are some early drawings and maps of Mars made by astronomers over a hundred years ago, as well as artworks created by modern artists to inspire you!





## Activity 2: Moving to Mars

Should humans move to Mars? Some scientists argue that we should while others say that we should first solve the problems we have created on Earth, like global warming. What do you think? Scientists and aerospace engineers are getting ready to go to Mars.

Could you be one of them?

**To Do:** Design a spacecraft that will bring humans to Mars.

Do some drawings of what the living and working space will look inside the spacecraft. Be inspired by the images below.



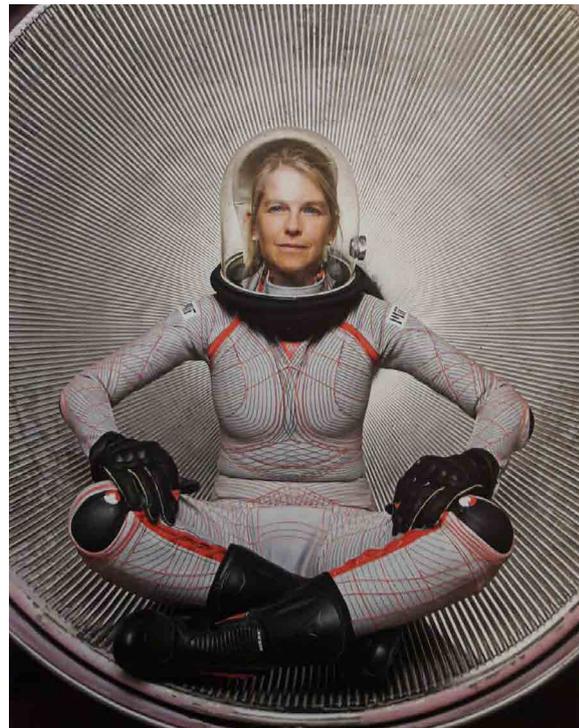
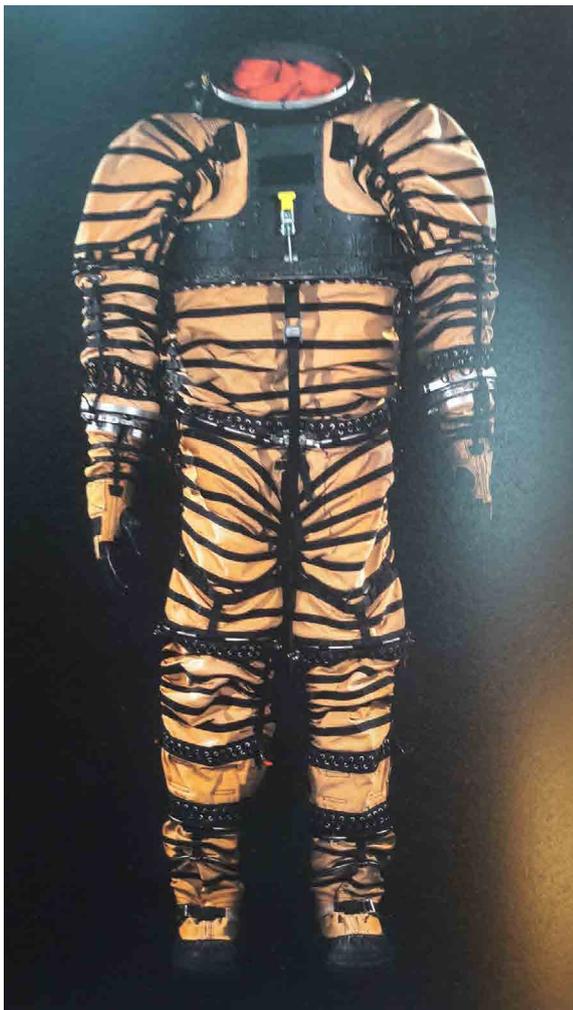
Image from 'See Inside Space Stations and Other Spacecraft' Usborne Publishing.



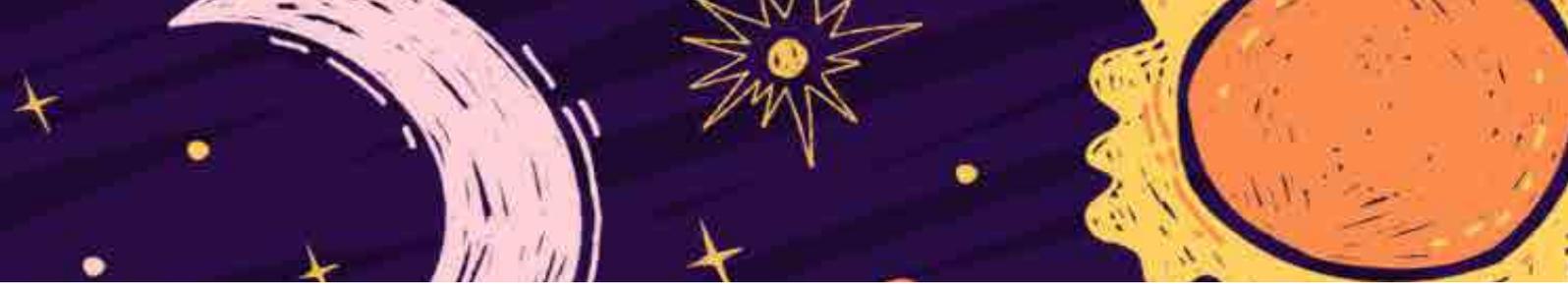
### Activity 3: Catwalking on Mars

Take a walk on Mars! But first you will need a special spacesuit to keep you safe and comfortable. It will need to protect you against Mars' hostile environment – extreme cold, radiation and unbreathable air. Spacesuit design has changed over the years of many space missions. They were first made of a hard-shell like material, difficult to move in. Then for the first Moon walk the suits were made of soft, very strong white material.

**To Do:** Design a range of spacesuits for the first humans to live on Mars. Be creative but also make them useful and practical. Remember not all spacesuits need to be white! Be inspired by the spacesuits' designs shown below.



*Images from 'Moving to Mars'  
The Design Museum*

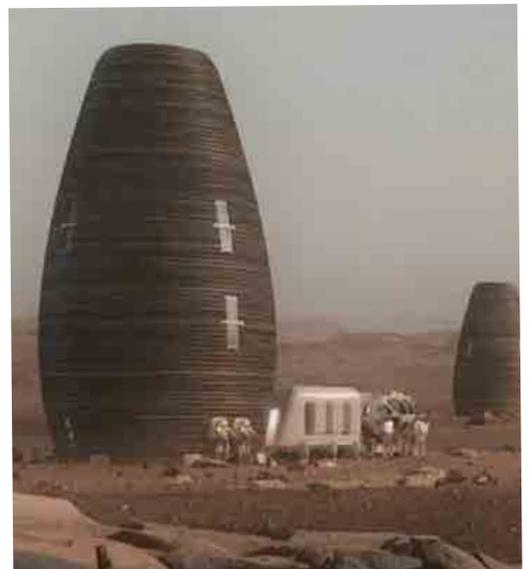
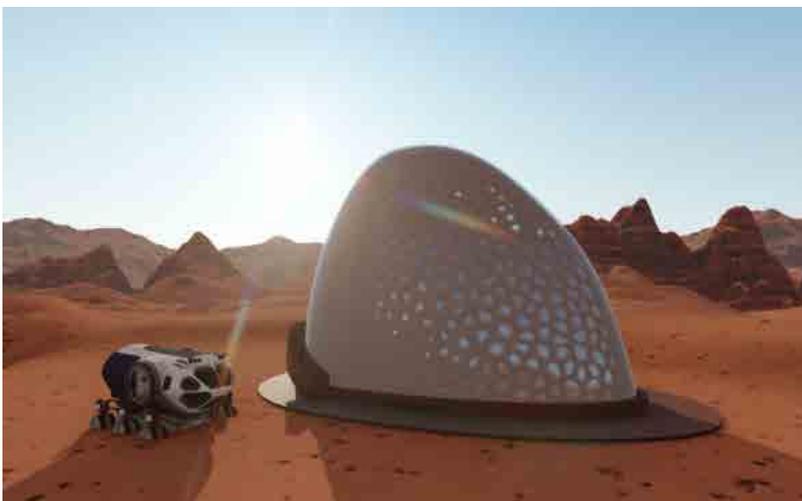
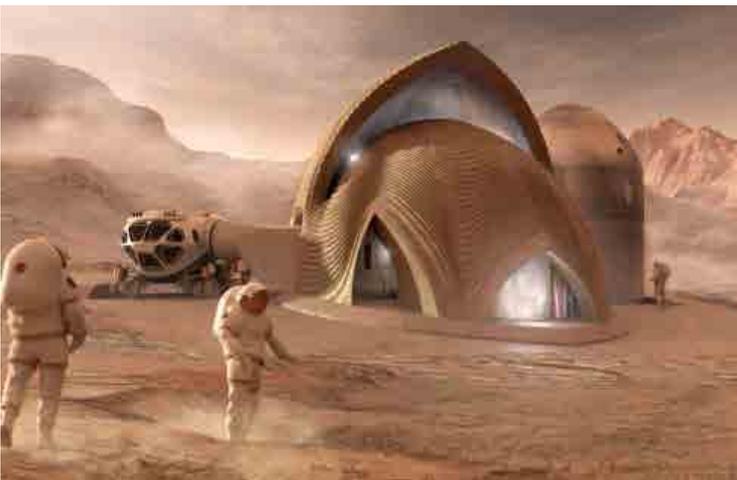


## Activity 4: Towers, Domes or Bubbles?

If humans were to live on Mars, before we move there we would need to build houses that protect us from the cold, cosmic radiation, and the storms of red dust.

Space architects designing buildings for Mars must find ways of making air, water and energy where there is none. All public spaces, such as roads, shops, schools must be connected and sealed indoors because opening a window on Mars is not an option. All waste will need to be recycled.

**To Do:** See below some samples of buildings designed for Mars. Take inspiration from them to design and build your own model using recycled material you may find around your house.



Images from 'Moving to Mars' – The Design Museum



## Activity 5: Invaders from Mars

Mars has always inspired human imagination. Many sci-fi books, films and comic books have been written about Mars. Because of Mars' blood red colour, Martians (fictional inhabitants of Mars) have been represented, for many years as war-loving people with war machines ready to invade Earth!

**To Do:** Below see sci-fi magazine covers and posters that illustrate our obsession with the Red Planet.

Design a poster or magazine cover for your own sci-fi book.

