



CHAPTER FIVE: SUSTAINABLE LIVING

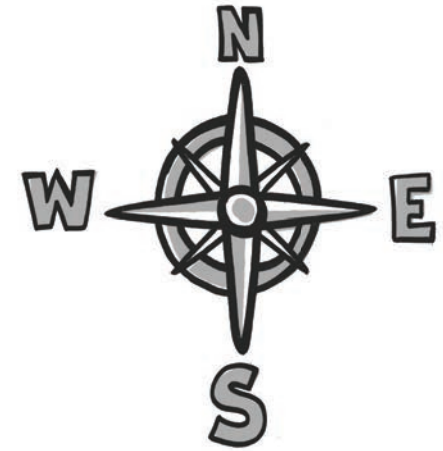
It's time to build the foundations of your city – and human life – on Mars! To construct your city and the society in which you and your fellow explorers will live, you need to consider all aspects of existence. What makes a city a good place to live? What do you need to build? What will you grow? And how will your new 'Martians' spend their free time? Time to start making plans...

TOWN PLANNER

Zap to
see aerial
maps of towns



What makes a great home? Draw a satellite's view of your proposed Mars city showing things like roads, transport, parks, hospitals and schools. This is your space utopia so make sure you include whatever you think will make this the perfect place to live.



BIODOME GARDEN

Now that you have travelled all over the Red Planet, it's time to put down some roots! Design a space garden that can grow fresh food and resources for your stay on Mars. Don't forget: you'll need a sustainable water source.



Zap for
inspiration!

ENERGISE YOUR CITY

There's a missing ingredient to your life on Mars – power! Your habitat on Mars is going to need energy to keep functioning. Explore the sources of power on Earth and use this as inspiration to design your own Martian energy supply.



Zap to learn
about energy
on Earth



SOLAR PANELS



HYDRO DAMS



WIND TURBINES



NUCLEAR POWER



FOSSIL FUELS

Hi brave Martians,

I'm Maggie Aderin-Pocock, a mechanical engineer. You won't be able to get energy supplies from Earth, so what resources do you have on Mars to generate energy for your city?



PROTECT YOUR CITY

Time to put your planning into action! Draw your city on Mars, complete with your garden and energy source. But beware, you will need to design a way to protect your city from the deadly radiation and crazy winds. Will you build above ground, or venture below?



Zap for
inspiration

WORD SEARCH 5



Zap for the
answers!

Find the words you've learnt in this chapter and add them to your Space Glossary at the back of the book.
Words can go in any direction.



Target = 8 words beginning with:

E N R R S T S U