The Solar System

Create a model of the Solar System.

Using what you have around the house in terms of fruit or different sized balls (marbles, tennis balls etc) create a model of the solar system.

Research which is the biggest and smallest planet and where it sits in the solar system.
Watch: What is the solar system? - BBC Bitesize

The Planets

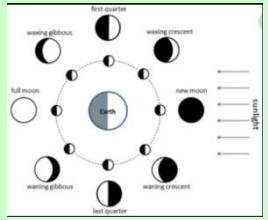
Create a mnemonic to help you remember the planets in the solar system.

Research about the planets in our solar system and create Top Trump cards about each planet.

You could also create Top Trump cards for different astronauts, space journeys or other natural space features (ie meteors, comets)

Phases of the Moon

Watch: The Moon and its orbit around Earth - KS2 Science - BBC Bitesize
Research and draw diagrams to show the different phases of the moon. Include full moons, new moons, waxing and waning moons.



Create a record of the moon while you're at home – look out every evening and record. Create a table of your observations.

Day			
Moon			

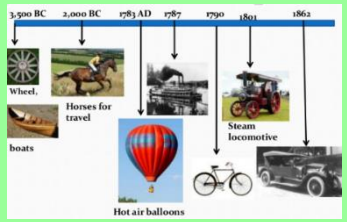
Ice!

Did you know there's ice on the moon?
Now watch an experiment in Antarctica!
https://www.youtube.com/watch?v=Bm3LydeScLk
So will the same materials work at keeping something cold? You will need to freeze at least 4 ice cubes ready for this experiment. Wrap each ice-cube in a different material (ie paper, tissue, fabric). Take regular measurements throughout the day. Which material will SAVE THE ICE?

Extreme Exploration Challenge Board
Robin Class

Transport Timeline

Many explorers have used transport. Research different types of transport and create a timeline. You could find out when the first car, train, plane was invented!

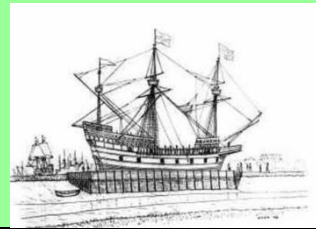


Explorers Research

Research and write about the explorer Sir Frances Drake. Use this website to help you find out about Sir Frances Drake - https://www.theschoolrun.com/homework-help/sir-francis-drake
You decide how you would like to present some of the information you have found out. It could be a poster, a non-fiction page, a mini book, a Powerpoint presentation or you could even make it into a board game!

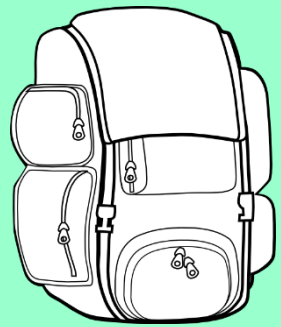
Atlas Challenge- The Journey of the Golden Hinde

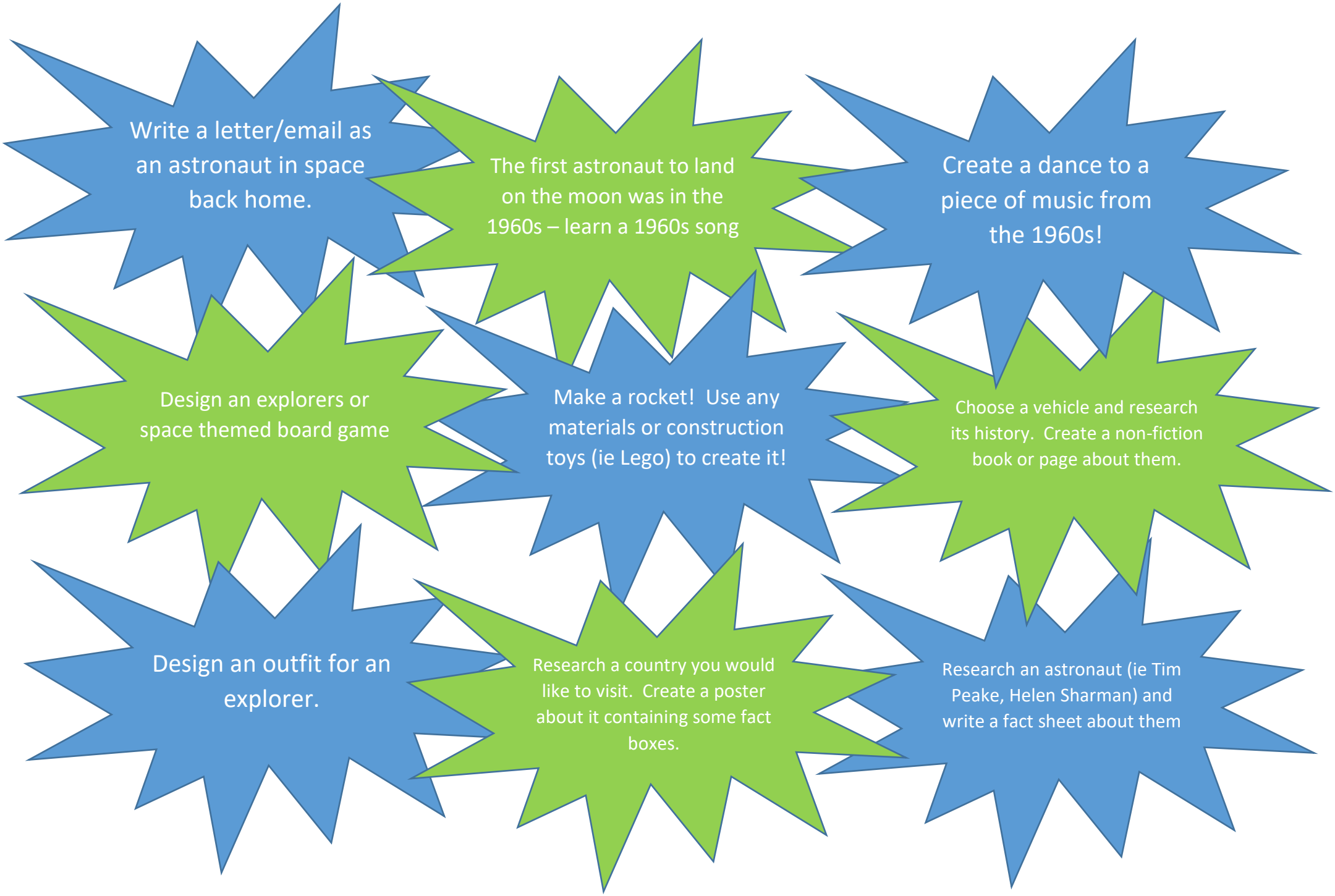
Sir Frances Drake travelled on the Golden Hinde. Print out a copy of the map of the world. Use the interactive Golden Hinde map (https://www.goldenhinde.co.uk/learning/education-resources#) to locate the countries the Golden Hinde visited. You could also find out the capital cities of each country and their flag! Label the oceans the Golden Hinde visited.



Exploration Bag

What would you take with you if you were to go on an amazing journey? Decide on a place where you would like to explore (ie Mount Everest, Sahara Desert, the moon!). Use the rucksack outline (see below) to draw and label the items you would take. Write an explanation about why you have chosen to take the various items.




Write a letter/email as an astronaut in space back home.
The first astronaut to land on the moon was in the 1960s – learn a 1960s song
Create a dance to a piece of music from the 1960s!
Design an explorers or space themed board game
Make a rocket! Use any materials or construction toys (ie Lego) to create it!
Choose a vehicle and research its history. Create a non-fiction book or page about them.
Design an outfit for an explorer.
Research a country you would like to visit. Create a poster about it containing some fact boxes.
Research an astronaut (ie Tim Peake, Helen Sharman) and write a fact sheet about them


twinkl
www.twinkl.co.uk