



## Y2 Home Learning Pack - Week 7



### Year 2's challenge of the week!

#### Our New Topic is: Space!

To kick start our new topic, can you design and create your own space rocket? Rockets always have names, just like the first rocket to land on the moon was called Apollo 11. What is yours called?

Here are some design ideas!



# Week 7 - Position and Direction

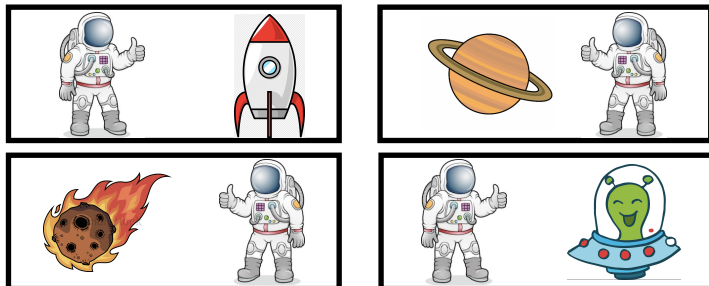
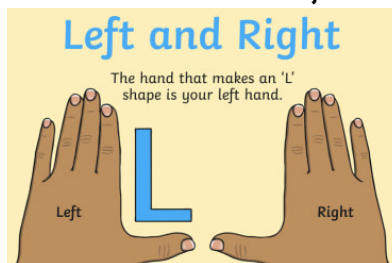
## Position:

Using this vocabulary, place e.g. toys in positions. Give each other instructions and check they place it where you have asked them to!



Place three small objects in different positions around a cup. Get your adult to say e.g. Which object is under the cup?

Learn about left and right! Is the astronaut on the left or right hand side of these objects?



## MATHS!

This week's Mental and Oral Game:

**Uh oh, don't land on 20!**

1. Take it in turns to say up to three 2x tables in a row, e.g. "2, 4, 6." "8, 10" "12, 14, 16" "18" "20!"
2. The player who lands on 20 loses! (Above, the player in red lost!)
3. Play again and build up speed!

## Direction:

Using this vocabulary and a blind fold, take it in turns to direct each other.

**forward**

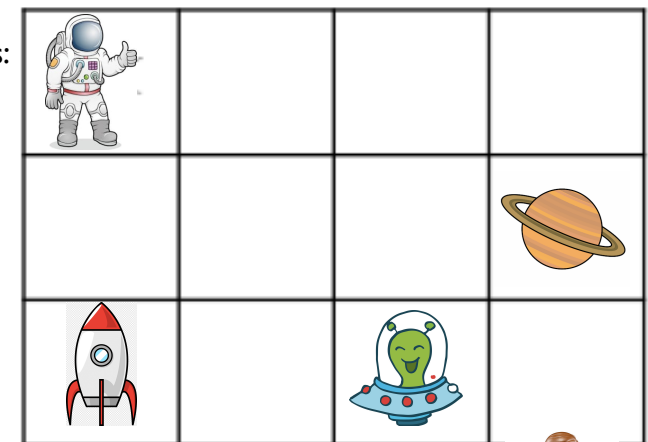
**backward**

**left**

**right**

**turn**

Using paper, create your own direction grid like this:



Example starting position:

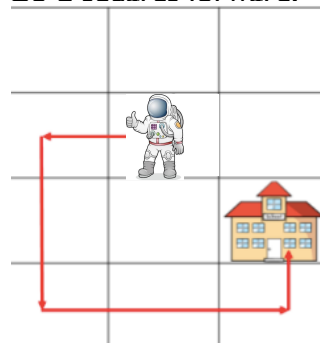
Place e.g. a Lego character onto the grid and give it directions to get to a chosen picture on the grid.

E.g. Directions to the astronaut:

1. Go 2 squares forward
2. Turn to your left
3. Go 3 squares forward.

Am I correct? To get to the rocket, the Lego character must follow these instructions:

1. Go 1 square forward.
2. Turn to your left.
3. Go 2 squares forward.



Describe the directions that the astronaut has taken to walk to school!

**Challenge: How many different routes can the astronaut take to get to school?**

Note them down and count them!

Listen to Miss Ward reading the story before you begin!



<https://youtu.be/zE6oLbuC1iw>



**Time connectives** (just then, suddenly) **Adjectives**

**Full stops** **Capital letters**

**Finger spaces** **Read it again**

# LITERACY

## Aliens Love...



Think of something you love...  
pizza, football, painting etc.



Write your own version of the story, but instead of 'underpants', change the title to something you love e.g. 'Aliens Love Sandwiches'



What will happen in your story?  
Who are the main characters?  
Will the aliens set out on a mission?  
Will it be a happy ending?

← Try and refer to the Success Criteria

## Phonics

Re-write these 'sick sentences' so that they make sense and include the correct punctuation.

- aliens have underpants
- they see a washing line of underpants
- the aliens lik them red and They like them green
- all of the underpants went missing

Can you add an adjective to each sentence?

## Planet Research



There are 8 planets in our solar system; Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.



Write descriptions for each planet as if you are an astronaut landing on them.

What can you see, feel, smell, and taste?

Choose your favourite story book that you have read this week. Complete the following tasks:



- Draw a picture of your favourite part of the story and describe what you have drawn.
- Make a list of 5 proper nouns you have spotted in the story.

## Challenge List Making!

Write a list of things that you would bring with you to space if you went tomorrow.

You could use bullet points or numbers to form your list.







## Forces: Rocket Science!

For something to fly, a force needs to be in place. For a rocket to fly a huge amount of force is created in order for it to take off! This week, investigate with force!

Watch a rocket launch: <https://www.youtube.com/watch?v=eqn-JjTmAps>

### Garden Experiment: Can water create a force?

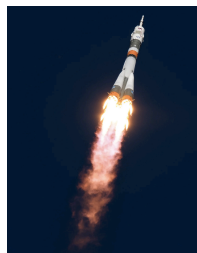
1. Get an empty plastic bottle.
2. Design it into a rocket if you like!
3. Take off the lid.
4. Place the head of the hose facing upwards in the bottle and let go of the bottle.
5. Turn on the hose pipe to its most powerful and watch how far your rocket flies!

DO  
WITH AN  
ADULT!

Where does it land? You could use a tape measure to measure how far it travels. Try with different sized bottles and see if you get different results!

### Indoor Experiment: Can air create a force?

1. Get a balloon.
2. Blow it up and pinch the hole.
3. Let go and see how far it flies.



Where does it land? You could use a tape measure to measure how far it travels. Try with balloons that are blown up lots, and ones that are only blown up a little. See if you get different results based on the amount of air force!

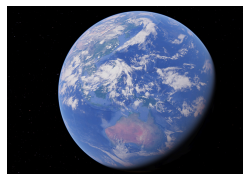
Our Topic is...



### Geography

I can explore places around the world.

Explore Google Earth! <https://www.google.com/earth/>  
Search for different continents or countries! Maybe even see if you can search to find the Isle of Man!



### Let's Get Creative!

I can use pastels or crayons to create a bright effect.

Become the astronaut and either draw yourself or add a photo into your astronaut like this one! Remember to use bright and bold for the planets!



### Talking is important!

Emotional Health

I can share worries and happy feelings.



Using two jars or boxes from your recycling, design your own question box/jar, and a happiness box/jar.

If you're returning to school next week, talk about any questions you have and share reasons why you are excited to return and why this makes you happy!



-Write them down on small pieces of paper, fold them up and place them in the question or happiness jar/box, then talk about them. When your question has been answered, you can put it in the bin (out of your mind!). When you put a happiness note in the jar/box, keep them in and see your happiness jar/box fill up!