Fullwood Primary School
Years 5 and 6

Our learning journey for the Summer term is…

Journey Into Space

**Space Race & Launch**
What is the space race? What does it take to be an astronaut? What skills do we need to train for NASA? Why do objects fall to earth?

**Sea of Tranquility**
Who is Neil Armstrong? What would it have been like to walk on the moon’s surface? How could we describe the moon? What are the phases of the moon?

**Aliens**
What would an alien look like? Would their planet be the same as ours? What will their atmosphere and landscape look like? How would their life be different?

**Solar System**
What are the celestial bodies in our solar system? How many planets are in our galaxy? What is an asteroid belt? How does the earth, moon and sun rotate?

**Zathura**
How do we build relationships? What does family mean to you? What kind of adventure could happen in space? What is science fiction?

**Star Wars Shakespeare**
Who is Shakespeare? Why is his work still looked at today? What is a playscript? How do we transform a text? What is a magnet?
### What can you do at home to help?

**EXPLORE**
- Explore how gravity works and the difference between heavy and light objects falling.
- At night look up at the moon and keep a record of how it changes each day.

**WATCH**
- Discovery Channel
- Live ISS Feed
- Zathura
- Star Wars
- Lost In Space
- Documentaries on the Space Race or the lives of astronaut
- BBC Bitesize

**DO**
- Make a rocket
- Try some astronaut food
- Design your own Apollo badge with logo for your own mission to Space
- Make your own rocket launcher with straws

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**Space Related Non-Fiction books**
- Tim Peake books
- Astronaut Biographies
- Cosmic by Frank Cottrell Boyce
- The Skies Above My Eyes by Charlotte Guillain
- George’s Secret Key to the Universe by Stephen and Lucy Hawkin

**Your own science fiction story**
- Postcards home from the ISS and explain how Space is
- A biography of a famous astronaut
- Research and create a fact file about your own chosen topic

**Your own science fiction story**
- Design your own Apollo badge with logo for your own mission to Space
- Make your own rocket launcher with straws
Some of the new vocabulary we will be introducing this term...

Conversations to be had with your child....

- What they have been learning about at school - and can they teach you what they have been learning about!
- How they are enjoying the books they are reading and sharing stories together.
- Discussions on their scientific learning and how it relates to the topic.
- How what they have learnt relates to their everyday life or other topics.
- About the big questions in life and opinions on these, e.g. What do people believe about god? How was the universe created?
Some of the key questions we are hoping to answer this term …

- What is the space race?
- Why did the USA and Russia start the space race?
  - What does it take to train for NASA?
  - What skills does an astronaut need?
- What happened on the Apollo 11 mission?
  - How does the moon affect Earth?
- What is gravity and how does it impact on life on Earth? Does this change in space?
- What planets are in our solar system?
- How does the sun sustain life in our galaxy?
- Do aliens exist? Will we ever find out where they live?
  - How big is the universe?
- Will space travel ever be a reality?

**Forces:** Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object; Identify the effects of air resistance, water resistance and friction, that act between moving surfaces; Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

**Magnets:** Describe magnets as having two poles; Predict whether two magnets will attract or repel each other, depending on which poles are facing.