

Space Academy

Year 5 Autumn 2

Rationale:

Do you think that you have what it takes to be an astronaut? Year 5 will be sitting an entrance exam to test their suitability to join our intensive 'Space Academy' training programme. Recruits will then go on an exciting journey of discovery in which they learn how the sun is central to our Solar System and how day and night are created on planet Earth whilst learning how to survive a daring space mission to the International Space Station (ISS). Upon completion of their training, the recruits will then be tasked to design their own quizzes to test any further recruit's knowledge of space before the 2021 training course begins!



Lead Subject: Science

In science this term we will be studying the science of space. We will consider what causes the movement of planet Earth around the sun before exploring the concept of the day and night cycle that we experience on Earth. We will then be completing some practical experiments to discover how gravity, air resistance and opposite forces are central to many aspects of the Solar System.

Lead Subject: English

English will begin with us writing our own Planet '13' descriptions inspired by Andy Martin's animation 'Planet Unknown'. We will then research and study what it is like to be an astronaut before writing our very own fictional interview with astronaut, Timothy Peake. We will also be using explanatory writing to explain scientific concepts.

Lead Subject: Art

We will be studying the work of Peter Thorpe, an inspirational artist, who has created a range of Space themed rocket paintings using recycled pallet wood and paint. We will learn how to use block printing to create bold and vivid shapes which can be printed onto an abstract background.

Applied Subject: Computing

We will be using Excel spreadsheets to store and generate data about the planets.



School Value: Aspiration

We will discuss our hopes and aspirations: Do any of our children aspire to go to space?

Applied Subject: PDL

We will be exploring our rights and responsibilities.

Maths:

In maths we will be developing our knowledge of fractions, decimals, time and shape. We will learn a new method for division and secure our short compacted method of multiplication.

6 WEEKS

Discrete: Music
Space Theme

Discrete: P.E
Zoneball

Outcome:

To design and create a space themed quiz which shows knowledge of our Solar System.

Discrete: R.E The
Magi - Prophecy

Home learning:

We will be asking the children to complete moon diaries to discover more about the phases of the moon.

Discrete: French
Au Café