

Space Academy

Year 5 Autumn 1

Rationale:

Do you think that you have what it takes to be an astro-physicist? Year 5 will be embarking on an 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. Upon completion of their training, the recruits will then be tasked to design their own quizzes to test you at home. How good will your knowledge of space be? Will you have the right level of knowledge to join the next Space Academy?



Lead Subject: Science

This term we will be studying the science of space. We will learn about our solar system, consider what causes the movement of planet Earth around the sun before exploring the concept of the day and night. We will then be completing some practical experiments to discover how gravity and air resistance and opposite forces are central to many aspects of the solar system.

Lead Subject: English

We will be writing a non-chronological report on planet Earth and where it fits into the solar system. The focus will be relative clauses and using a wide range of higher-level conjunctions. We will also be writing a mini- explanation text about how day and night occur.

Lead Subject: Art

We will be studying the work of Peter Thorpe, 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 a background based upon Vincent Van Gogh's Starry Night, using oil pastels.

Applied Subject: Computing

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



School Value: Aspiration

Engage fully with every lesson, the adults and my class by contributing equally to the outcome. Know more about Earth and space and expertly teach this to someone else.

Applied Subject: PDL

What Park Gate values would an astrophysicist apply when working?

6 WEEKS

Music:
'Space'

P.E:
Gymnastics
Ball skills/ swimming

Outcome:

To design and create a space themed quiz which shows off our knowledge of the solar system to give to parents to try out.

Home learning:

We will be asking the children to research one of the planets in our solar system in depth and present this information clearly.

Maths:

We will be developing our knowledge of place value. We will be rounding to the nearest 10, 100 and 1000, non-standard partitioning and developing relationships between numbers.

R.E:

Water as a symbol

French:

Phonics, La date