Boarshaw Primary School - Medium Term Plan - Year 5 – Autumn 1 2023 -24

As Scientists we can:
Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
Describe the movement of the Moon relative to the earth.
Describe the Sun, Earth and Moon as approximately spherical bodies.
Use the idea of the Earth's rotation to explain day and night and the movement of the sun.
Key Knowledge:
The Sun is a star at the centre of the Solar System and the Solar System has eight planets.
The moon is a celestial body that orbits a planet.
It is dangerous to look directly at the Sun, even when wearing protective glasses.
Understand how ideas about the Solar System have developed and appreciate the impact of the work of scientists such as Galilei and Hubble.
Work scientifically to:
Construct shadow clocks;
Write a moon diary.

WOW moment: Trip to Jodrell Bank.

Learning Challenge –
Why should the rainforest matter to all of us?

Our half term work has a Geography Focus
As Geographers we will be answering these questions:
LC 1 - Where are rainforests located and what are their main features?
LC 2 – Why are rainforests often in the news and what can we do to help?
LC 3 - What can you find out about an endangered animal that lives in the rainforest?
LC 4 – How important is the Amazon to the South American rainforests?
LC 5 – Can you create a print using the large leaves of rainforest plants as your inspiration?
LC 6 - Reflection: Present a documentary on a day in the rainforest.

As Mathematicians we can:
Understand the place value of numbers up to a million.
Compare and order numbers to one million.
Count in 10s, 100s, 1000s, 10,000s and 100,000s.
Round numbers to a million
Understand negative numbers and Roman Numerals.
Add and subtract numbers with more than 4 digits using a formal method.
Round to estimate and approximate.
Use inverse operations to check calculations.
Solve multi-step addition and subtraction problems.
Draw line graphs.
Read and interpret charts, line graphs, tables, two-way tables and timetables.
Use line graphs to solve problems.

As Computer Programmers:
We will build on our knowledge of coding.
Key Knowledge:
Create a program using event, object and action code.
Create different object types and button objects and be able to modify these to fit a program.
Create a repeat command and an IF and IF/ELSE statement in a program.
Create variables, friction and function.

As Language Specialists we can:
Talk about us
Key Knowledge:
Say extended sentences about feelings with a reason.
Say a sentence about someone else.
Say a sentence about a school subject using a like / dislike verb.

As Musicians we will:
Rock Music – Livin' on a Prayer
Key Knowledge:
Listen and appraise famous rock songs.
The dimensions of rock music such as pulse and rhythm are compared across rock songs and other genres.

As Artists:
Research and replicate retrofuturism art and the role it played in the exploration of Space.
<u>Key Knowledge</u>
To explore the purpose and effect of imagery.
To understand and explore decision making in creative processes.
To test and develop ideas using sketchbooks

As Theologians we can:
Understand why people have to stand up for what they believe in.
Key Knowledge:
Recognise how religious beliefs vary and understand the importance of religious freedom.
Assess the challenges that some religious figures have encountered in the past and recognise that people have been persecuted for their beliefs.
Analyse the meaning of different religious festivals.

As Athletes:
We will develop our understanding of health-related fitness.
Key Knowledge:
Play competitive football and apply basic principles for attacking and defending.
Be taught to swim confidently and proficiently over a distance of 25metres.

As Citizens:
Understand that our actions affect others, to care about other people's feelings and to try to see things from their points of view.

Think about the lives of people living in other places and people with different values.

Realise the nature and consequences of racism, teasing, bullying and aggressive behaviours, and how to respond to them.