

Boarshaw Primary School - Medium Term Plan - Year 6 – Autumn 1

Learning Challenge –

Why is the heart the most important pump we own?

As scientist we will be answering these questions:

LC1 – Why can having a defective heart be life-threatening?

LC2 – What is the relationships between our pulse and exercise?

LC3 – What happens to the Oxygen we breathe and could we describe our arteries and capillaries as the body's motorway system?

Key Knowledge:

- Identify and name the main parts of the human circulatory system.
- Know the function of the heart, blood vessels and blood.
- Know the impact of diet, exercise, drugs and lifestyle on health.
- Know the ways in which nutrients and water are transported in animals, including humans.

As Artists:

We can create a variety of still life pieces influenced by different artists

Key Knowledge:

- Improve mastery of drawing techniques using the medium of pencil and charcoal.
- Incorporate paint into drawings.

As Theologians:

We can think about the following key question: Is it better to express your religion in arts and architecture or in charity and generosity?

Key Knowledge:

- Describe and make connections between examples of religious creativity.
- Show understanding of the value of sacred buildings and art.
- Suggest reasons why some see generosity and charity as more important.
- Apply ideas about values and from scripture.

Learning Challenge – I'm a Y6 pupil, can you get me out of here?

Our half term work has a Geography Focus

WOW Moment! Take part in an orienteering activity around the school grounds.

As Geographers we will be answering these questions:

LC 1 - What do you know about time zones and its impact on the world?

LC 2 – Can you put together a map of the immediate area around school?

LC 3 – Can you explain why your town exists and what would have brought people to live there in the first place and why do people live there today?

LC 4 – Can you use an OS map, including compass point directions, to help someone plan a route between two local points?

LC 5 – If you got lost within 50 miles of your home, how would you go about finding your way home?

LC 6 – From the photographs you have taken of the immediate area, can you create a painting?

LC 7 – How would you plan a trip to a European city to include cost and time?

As Mathematicians:

Develop our knowledge of **place value** by,

- Reading and writing numbers to ten million
- Comparing and ordering any number
- Rounding any number to 10, 100 and 1000
- Understanding negative numbers

Develop our understanding of **addition, subtraction, multiplication and division** by.

- Add and subtract numbers with more than 4 digits and use inverse operations.
- Solve multi-step addition and subtraction problems.
- Multiply up to a 4-digit number by a 2-digit number.
- Divide with remainders using mental methods, short division and long division.
- Identify factors and common factors, prime numbers and square and cube numbers.
- Understand the order of operations.
- Reason about known facts.

As Computer Programmers:

We can explain what coding is use the skills we have developed to create our own program.

Key Knowledge:

- Know how to repeat blocks of code.
- Create an 'if' statement.
- Create a variable in a program.
- Create a program that controls or stimulates a physical system.

As Athletes:

We can understand the importance of keeping fit and identify activities that will help us stay fit and healthy.

Understand the rules of football and develop skills to play the game.

Key Knowledge:

- Improve on own personal best.
- Identify ways to be a team member.
- Develop technique and control.

As Language Specialists:

We will be able to converse with others about everyday life

Key Knowledge:

- Recall phrases to talk about yourself and your feelings.
- Give simple descriptions about yourself
- Remember and use numbers to 60
- Understand o'clock time phrases
- Talk about your daily routine

As Musicians:

We will listen to music around the theme of happiness and think about the question, 'What makes you happy?'

Key Knowledge:

- Listen to and appraise songs in different styles.
- Understand the interrelated dimensions of music.
- Use instruments to create an ensemble.
- Identify a rhythm and copy it back by clapping or using an instrument.

As Citizens:

We are able to identify different relationships that are important to us. We know about ways to form new relationships. We will learn more about what is important to us and how we feel about ourselves.

Key Knowledge:

- Understand what constitutes a positive healthy friendship.
- Identify strategies to resolve disputes and reconcile difficulties positively and safely.
- Recognise the importance of self-respect and how this can affect our thoughts and feelings of ourselves.
- Identify some of the skills that will help in our future careers e.g. teamwork, communication and negotiation.