Butterworth Class – Year 2

Summer – A Wonderful World

COMPUTING:

Summer 1: Data handling: International Space Station

Describe and explain how astronauts' survival needs are met aboard the ISS. Identify and digitally draw items which fulfil basic human needs when aboard the ISS. Read the correct temperature on a thermometer. Design a display showing everything that needs to be monitored by sensors on the ISS. Create an algorithm that addresses all plants' needs. Explain how space exploration can benefit life on Earth. Read data to identify whether a planet might be habitable.

Summer 2: Online safety

Explain what is meant by online information. Recognise what information is safe to be shared online. Explain why we need passwords and what makes a strong password. Understand that they need to ask permission before sharing content online and explain why. Understand that they have the right to deny their permission to information about them being shared online. Say who they can ask for help with online worries. Use some strategies to work out if online information is reliable or not.

ART:

Summer 1: Sculpture and 3D: Clay houses

To shape and decorate clay, create a pinch pot, design and make a clay tile with house features. It emphasises practical skills in working with clay and applying artistic techniques in a structured project.

GEOGRAPHY:

Summer 2: What is it like to live by the coast?

To name and locate the seas and oceans surrounding the UK in an atlas and label these on a map of the UK. Describe and explain the location of the seas and oceans surrounding the UK using compass points. Locate coasts in the UK. Name some of the physical features and human features of coasts. Describe how people use the coast. Record data using a tally chart and represent data in a pictogram.

DESIGN TECHNOLOGY:

Summer 2: Mechanisms: Making a moving monster

Identify the correct terms for levers, linkages and pivots. Create functional linkages that produce the desired input and output motions. Design monsters suitable for children, evaluate their two designs against the design criteria, using this information and the feedback of their peers to choose their best design. Select and assemble materials to create their planned monster features. Assemble the monster to their linkages.

VOCAB:

Flight- the action or process of flying through the air.

Mechanisms- a system of parts working together in a machine.

Germinate- cause a seed or spore to grow.

HISTORY:

Summer 1: How did we learn to fly?

The children will identify important events surrounding the history of flight, explaining how a significant event has changed the lives of others. Ask questions about people and events in the past and use primary sources to find out about people and events in the past.

PSHE:

Through the theme of 'Kindness' the children's learning will focus on
The children will know how to ask for advice or help for themselves or others. To understand that family and friends should care for each other. To understand there are different types of teasing and bulling. To understand the role of the local community. To develop a strong relationship with the local community and to learn to take responsibility for our actions.

PHYSICAL EDUCATION:

Summer 1- Athletics and invasion games.

Summer 2- Jumping skills and striking and field game skills.

MUSIC:

This term the children will be looking at West African call and response songs. They will use tempo, dynamics, and timbre in their piece, play in time with their group, use instruments appropriately, successfully sing back the melody line in time and at the correct pitch, play either a call and/or response role in time with another pupil and perform their composition.

RELIGIOUS EDUCATION:

Summer 2: Why do people have different views about their idea of God?

SCIENCE:

Summer 1: Plant Growth

The children will be able to recall that seeds have all the necessary parts inside for plants to grow and recall that seeds need water and warmth to germinate. Recognise that light is required for healthy plant growth and sequence the stages of a plant's life cycle. Recognising the importance of healthy plant growth and describing the influences humans have on plants in the environment.