

# Jennett's Park Medium Term Plan

## Year Group – Year 5 Autumn 2

### Area of Learning: English, Communication

#### Can we...?

- Create a biography of Katherine Johnson
- Write a Sci fi novella
- Create a poem in the style of 'The Witch'

### Area of Learning: Arts and Design

- Artist: Peter Thorpe
- Abstract Expressionism
- Collage: layering textures
- Painting: applying with a variety of implements to create different effects
- chalk pastels: blending
- To know how Peter Thorpe has contributed to Abstract expressionism.
- To understand: what abstract expressionism is, how it was established and other artists in this style.
- Sketching our designs, and using methods to create texture and shading
- To review and evaluate the effectiveness of their sketches and make improvements
- To use a range of artistic painting tools to create different paint effects

### Area of Learning: Mathematics

#### Can we ...?

- Column Addition with exchange
- Column Subtraction with exchange
- Inverse operations to check answers
- Multi step addition and subtraction problems
- Multiples, factors and common factors
- Square numbers and prime numbers
- Multiply and divide by 10, 100 and 1,000 and understand the multiples of 10, 100 and 1,000

### Area of Learning: Computing and Technological Understanding

#### Can we....?

- Enter formulae into a spreadsheet to solve calculations and model scenarios, including using =SUM() and statistical functions.
- Change the format of cells of cells using: text alignment, borders and data types.
- Children develop the excel spreadsheet skills to record a data handling project- recording the movements of the sun.

### Connector

# Space

### Area of Learning: Humanities – History & Geography:

#### History:

- To know and correctly use the terms used to describe the Space Race: Satellites, orbit, NACA, NASA, ISS, Hubble Space Telescope, Soviet Union (and how Russia has changed names etc)
- Look at the representation and importance of women in the space race and how their roles progressed- Hidden figures- and how this affected women's roles in this industry.
- To ask and answer historical questions about the Space Race and key events.

#### Geography:

Name, locate, identify continents, main countries including N and S America, some key states of America and their features- why build air shuttles bases here? Where in South America could they build one? Look at the human and physical features of these places: Climates zones, biomes- choose a couple, Vegetation belts (specific plants within those biomes)- look at a couple of key biomes in N and South America- build up over the year about biomes. remember: a biome is a climate zone and everything that lives in it. Use maps/globe/atlas to locate continents and countries. Use 8 point compass, 4 figure grid references, symbols and keys Significance of GMT- link to space and the time zones Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer, and Capricorn, Arctic and Antarctic circle- link to biomes and equator and heat.

- MAP ADVENT

### Area Learning: Physical health and wellbeing

#### Can we ...?

- Understand the need to support each other's wellbeing and fight the good fight to eliminate racism

| Discrete subjects | Units of Work   |
|-------------------|---|
| MFL               | Spanish phonics<br>What is your name?<br>Numbers 1-10<br>Colours  |
| RE                | Is the Christmas Story True?<br>Do sacred texts have to be 'true' to help people understand their religion?   |
| PE                | Yoga- basic yoga poses and mindfulness  |
| PSHEC             | <ul style="list-style-type: none"> <li>• To explain what it means to belong and explain why belonging is important</li> <li>• To identify places we feel we belong</li> <li>• To explain what it means to belong and explain why belonging is important</li> <li>• To identify places we feel we belong</li> <li>• To explore gender stereotypes</li> <li>• To explain why it is important to challenge gender stereotypes</li> </ul> |

### Area of Learning: Science

#### Can we ....?

#### Science: Earth and Space

- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky
- Time zones

#### Forces and magnets:

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object – investigation with flour and cocoa powder, dropping objects into it