**Science: Forces**

* unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
* Identify the effects of air resistance, water resistance and friction that act between moving surfaces.
* Friction, air resistance and water resistance are forces which slow down moving objects.
* Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
* There are different types of forces (push, pull, friction, air resistance, water resistance, magnetic forces, gravity).
* Gravity can act without direct contact between the Earth and an object.
* Resistance = a force that operates opposite the direction of motion

Gravity = a force that attracts a body to the centre of the earth

**Design and Technology:**

Develop a device for demonstrating how the moon orbits the earth – such as an orrery (a mechanical model of the solar system)

**Process for planning a project**

Look at existing models and evaluate these.

Product - what could I make?

Purpose - what is it for?

User - who is going to use it?

* Develop a technical vocabulary appropriate to the project.
* Use mechanical systems such as cams, pulleys and gears.
* Use electrical systems such as motors.

**English**

**Adventure Stories**: Oranges in No Man’s Land by Elizabeth Laird

**Non-fiction writing**: Make a presentation based on reading and research. Write a page for a magazine which includes a range of text types

Include:

* Relative clauses
* Examples of passive voice
* Blend dialogue
* Use higher level punctuation
* Ensure consistent and correct use of tense
* Correct subject-verb agreement

Lent/Easter Saint Martin de Porres Knowledge Organiser Lent term 2

**Music**

Perform, listen to and recognise musical instruments and their tempo and timbre

**Tempo**: the speed at which music is played

**Timbre**: the character or quality of a sound

**Rhythm**: a pattern of movement or sound

**Crescendo**: gradually getting louder

**Diminuendo**: gradually getting quieter

You’re going to make your own instruments!



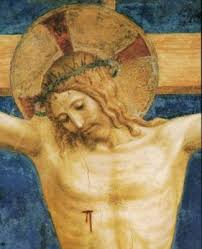
**R.H.S.E.**

**Module One: Created and Loved by God** explores the individual. Rooted in the teaching that **we are made in the image and likeness of God**, it helps children to develop an understanding of the importance of valuing themselves as the basis for personal relationships:

**Unit 1 – Religious Understanding**explores the Gospel story of the ‘Calming of the Storm’ (from Matthew, Mark and Luke). Over five story sessions, children will consider experiences of change, growth and development.

**Unit 3: Emotional well-being:** exploring the pressures young people are under and building resilience through thankfulness. How people behave and react to feelings and emotions and how these can change quickly and how to deal with feelings that can feel uncontrollable.

**Virtues: gratitude, respect, friendship**



**French**

**Cultural understanding**: le premier avril, Paques en France

La famille: naming members of the family and saying their names and ages

Saying your Birthday and numbers to 50

**History**

**Early Islamic Civilisation – The Islamic Golden Age**

What does AD mean? Anno Domini, the Year of Our Lord so, AD900 means 900 years since the birth of Jesus.

Abbasid Caliph, al-Mansur 762 0 767AD built the original core of Bagdad near the city walls around a Mosque.

AH = Anno Hegirae or after Hegira. The Hegira is the journey the Prophet Muhammed is believed to have taken from Mecca to Medina in 622AD

**Maths**

* Compare and order fractions less than and greater than 1
* Add, subtract and multiply fractions, inclusing mixed numbers
* Add and subtract fractions
* Add and subtract mixed numbers
* Find fractions of an amount
* Percentages and decimals

**R.E.**

**Eucharist – Relating: Memorial Sacrifice**

Why do we need memories?

**Lent – Easter: Sacrifice**

What do we need to make sacrifices?

Palm Sunday: 28th March 2021

Good Friday: 2nd April 2021

Easter Sunday: 4th April 2021