

Year 5 – Summer Curriculum Overview

'Each and Every Child' ... EXCELLENCE - TRUST - WISDOM - FRIENDSHIP - ENDURANCE

| Science | History | Geography |
|---|---|--|
| <p>Unit: Forces (Physics)</p> <ul style="list-style-type: none"> - Know that force is measured in newtons (N) - Know the difference between mass (kg/g) and weight (N) - Know that pulleys, levers and gears allow a smaller force to have a greater effect - Know how forces such as air resistance, water resistance and upthrust act <p>Unit: Earth & Space (Physics)</p> <ul style="list-style-type: none"> - Know that the universe is made up of many galaxies and ours is called the Milky Way - Know the movement of the Earth and other planets, relative to the Sun in the Solar System - Know the phases of the moon - Know that the Earth's rotation has an impact on night and day | <p>Unit: Changing Britain</p> <ul style="list-style-type: none"> • Know the terms 'civil rights' and 'discrimination' • Know reasons why the Bristol Bus Boycott took place. • Know what caused the Grunwick Factory workers to strike. • Know how people protested against Section 28. • Know why the Wheelchair warriors fought for their rights. | <p>Unit: Energy and Sustainability</p> <ul style="list-style-type: none"> • Know what sustainability is • Know what fossil fuels are. • Know examples of renewable and non-renewable energy sources. • Know how some cities are tackling sustainability. |
| Computing | Art and DT | Religious Education |
| <p>Unit: Vector Drawings and Selection in Quizzes</p> <ul style="list-style-type: none"> • Know that an image comprises of separate objects • Know that objects are layered and that vector images can be coloured without impact on quality • Know that a condition can only be true or false • Know that a count controlled loop contains conditions • Know a condition controlled loop with a count controlled loop and explain that a condition controlled loop will only stop when a condition is met and create a condition controlled loop using: -an 'if...then..' statement to start | <p>Art Unit: Architecture (Drawing and Mixed Media)</p> <ul style="list-style-type: none"> • Know what technical drawings are and know that H pencils are best for this type of drawing. • Identify how to organise facial proportions and demonstrate improved accuracy when drawing Know that when painting from observation, they must consistently look at the subject to gauge accurate shape, form, tone and proportion • Understand that architects and other artists have a responsibility towards society and can help shape the world for the better. | <p>Unit: Significant Women</p> <ul style="list-style-type: none"> • the stories of significant women in the Old Testament and world faiths • the Jewish Festival of Purim celebrates how God used Esther to save his people. • that being a person of faith isn't always easy. <p>Unit: Endings and Beginnings</p> <ul style="list-style-type: none"> • Christians believe that through the death and resurrection of Jesus they have the promise of eternal life with God in heaven. • Christians believe that when you die your spirit goes to be with God in heaven. |

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an action.

-an 'if...then...else...' statement to produce given outcomes.

- Know that selection can be used to branch the flow of a program and use selection to switch the program flow in one of two ways.
- Know that a loop can be used to repeatedly check whether a condition has been met.

- Know how to use a combination of materials, construction methods and tools to create a 3D Cityscape

DT Unit: Frame Structures

Design:

- Know what innovative means and generate, develop and model innovative ideas, through discussion, prototypes and annotated sketches.
- Know the purpose of research.

Make

- Know how to strengthen, stiffen and reinforce 3-D frameworks.
- Know how to use a junior hack saw, g clamp and bench hook to accurately cut wood.
- Know how to join 2 pieces of wood e.g. with wood glue, PVA glue, glue gun, hammers and nails
- Know how triangulation strengthens structures.

Evaluate

- Identify how well a product meets its design purpose
- Identify how a product has been made
- Know the purpose of testing their product.
- Test their product against the original design criteria and with the intended user.
- Know how to gather the views of others.
- Know how to identify strengths and areas for improvement.
- Evaluate the ongoing work and the final product with reference to the design criteria and the views of others.
- Continually evaluate and modify the working features of the product to match the initial design specification.
- Test the system to demonstrate its effectiveness for the intended user and purpose.
- Know how key events and individuals in design and technology have helped shape the world

- World religions share a range of beliefs about death

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