Come Fly With ME

TEAM NEPTUNE – CYCLE THREE Summer 2024

SCIENCE

Animals including humans
What is the function of the heart? It pumps blood around your body. Blood provides your body with the oxygen.
What is the function of different blood vessels? Arteries carry oxygenated blood to cells around the body. Veins carry deoxygenated blood to the heart and lungs.

Evolution and Inheritance
Why do offspring vary and are not identical to their parents? Because they inherit features from both parents.
Can you describe how an animal is adapted to its environment? A camel stores fat in its hump which enables it to survive in a desert environment when it cannot feed for long periods.

HISTORY

In History we will be learning about Crime and Punishment through the ages.
How were criminals punished 800 years ago and how do we know? Corporal punishment like whipping and humiliation such as the use of stocks; trial by ordeal and capital punishment such as hanging. Written records and illustrations record examples of punishments.

Has the way we catch and punish criminals improved in the last 100 years? Yes – punishments are more likely to fit the crime; capital punishment has been abolished and prisons are meant to rehabilitate as well as punish criminals.

GEOGRAPHY

In Geography we will be learning about Extreme Earth - Volcanoes and Earthquakes
What is the structure of the Earth? The earth is divided into four major components: the crust, the mantle, the outer core, and the inner core.

What is an earthquake? A violent jolt that shakes the land.

What causes earthquakes? The earth's plates slide together causing friction to build up. When forces – friction or pressure – are released, they produce a violent jolt that shakes the land: - an earthquake.

COMPUTING

What is sequencing and how can we use it effectively within programs? A sequence is a series of instructions that must be carried out in order. We must program the steps of an algorithm in the correct order for it to work.
What is repetition (loops) and how can we use it effectively within programs? Repetition is when code is repeated. Repetitions are essential in allowing programs to function effectively as it can save you having to rewrite the same code over and over again.
How can we use IT to present data in different ways? Create different types of graphs and charts that are appropriate to the data being used and understand that everything we do online leaves a digital footprint that can last forever.

DESIGN TECHNOLOGY

Food Technology:
Can you create a healthy fruit salad? What skills and knowledge will be learned? Use a STEM resource. Perform simple food skills safely such as peeling, cutting with a knife and mixing ingredients to make a fruit salad.

ART

Landscape Drawing
Can you create a landscape painting in the style of Giuliana Lazzerini?
What style does Lazzerini paint in? A semi-abstract style using vivid colours to mix memory and imagination.
Which locations will we study? Tuscany or Yorkshire.

RE

What matters most to Christians and Humanists?

What is a 'humanist'?
One who believes it is possible to live a good & fulfilling life without following a traditional religion.

What is a theist? Someone who believes that there is a creator God.

MUSIC

Listening: Can I describe a range of music using musical terms and express my likes and dislikes? Tempo, dynamics, pitch, instruments, mood.

Can I learn the techniques needed to play simple pieces on the ukulele? strumming, plucking, reading music.

Can I use the ukulele to play and sing to an audience? Gradually build up instrumental skills to play a piece using two chords to an audience during the musical showcase.

PE

Swimming: Can I build on last year, identify and practise the skills needed to achieve the next level? Do an assessment in week one and work in a group to achieve the next level certificate.
Gymnastics: How do we create a partner/group sequence? Planning, communicating, practice, designing, problem solving.
Striking and Fielding: What transferable skills will we use in this unit? Hand eye coordination, throwing, catching, team work, team talks.

German

Describing our wider family and saying when their birthdays are; School life; Learning the countries and continents.
How would you say when a family member's birthday is using ordinal numbers? Wann hat der Papa Geburtstag. Er hat am fünfzehnten Juli Geburtstag. How do you say I travel to .. I visit ... ? Ich fahre nach ... Ich besuche ... How do you describe which continent a country is in? Wo ist Deutschland? Das ist in Europa. Wo ist die USA. Das ist in Nord Amerika.

PSHE/SMSC

Health and Wellbeing:
Which areas should we study to promote a healthy lifestyle? Healthy sleep habits, sun safety; medicines, vaccinations, immunisations and allergies

Puberty Education:
What is puberty? Puberty is the time when a boy or girl's body begins to develop and change as they become an adult. When does puberty take place? Most girls begin puberty between ages 8 and 14, with an average of 11. Girls develop more quickly than boys and most finish puberty within four years. Most boys begin puberty between ages 9 and 14, with an average of 12.

WOW MOMENTS, EXPERIENCES AND TRIPS

Visit the Harrogate Countryside Day.
Attend Crucial Crew to learn how to stay safe.

KEY TEXTS: The Final Year by Matt Goodfellow

WEBLINKS: STEM Resource https://www.stem.org.uk/resources/elibrary/resource/462668/fabulous-fruit-salad

Yorkshire Agricultural Society Countryside Day https://yas.co.uk/countryside-days/

https://www.giulianalazzerini.com/

Ravenscar

https://www.google.com/search?q=+stoupe+brow+ravenscar&rlz=1C1GCEB_enGB991GB991&biw=1366&bih=657&ei=XU9wYrjBLYST8gKRvYPwAg&ved=0ahUKE
wj446C448H3AhVVEiVwKHZHeAC4Q4dUDCA4&uact=5&oq=+stoupe+brow+ravenscar&gs_lcp=Cgdnd3Mtd2l6EAMyBAgAEB4yBggAEAgQHjoHCAAQRxCwAzoKC
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