

Cleves School Curriculum Map
Year 6 – AUTUMN 2022/23
INNOVATION AND CHANGE

Maths

Number

- **Place Value:**
 - Read, write order and compare numbers up to 10,000,000 and solve number and practical problems that involve these
 - Round whole numbers to 10 000 000 to a required degree of accuracy
 - Use negative numbers in context and calculate intervals across 0
 - Consolidate counting forwards or backwards in steps of powers of 10 for any given number to 1 000 000
- **Addition and Subtraction**
 - Perform mental calculations, including with mixed operations and large numbers
 - Consolidate knowledge of addition facts and the related subtraction facts, deriving further related facts as required
 - Consolidate adding and subtracting whole numbers with more than 4 digits, including using formal written columnar addition and subtraction
 - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
 - Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
- **Multiplication and Division**
 - Consolidate multiplying and dividing whole numbers and decimals by 10, 100 and 1000
 - Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
 - Divide numbers up to 4 digits by a two-digit whole number using the formal methods of short or long division, and interpret remainders as appropriate for the context as whole numbers, fractions or by rounding
 - Consolidate solving problems using more than one of the four operations
- **Understanding Fractions**
 - Associate a fraction with division
 - Consolidate understanding of equivalent fractions by extending to improper fractions
 - Use common factors to simplify fractions
 - Compare and order fractions, including fractions > 1
- **Calculating with Fractions**
 - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
 - Multiply simple pairs of proper fractions
 - Divide proper fractions by whole numbers

Geometry

- **Properties of Shape**
 - Draw 2-D shapes accurately using given dimensions and angles
 - Build simple 3-D shapes, including making nets; recognise 3D shapes from their nets
 - Compare and classify geometric shapes based on increasingly complex geometric properties and sizes
 - Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter of a circle is twice the radius
 - Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
 - Find unknown angles and lengths in triangles, quadrilaterals, and regular polygons

Literacy

- **Reading - through guided reading and whole class reading sessions.**
 - To read aloud age-appropriate texts with fluency and expression and an awareness of audience
 - To actively participate in discussions about books they have read by building on their own and others' ideas and challenging views courteously
 - To provide reasoned justifications for their views using evidence from the text
 - To practice and improve reading comprehension skills (word meaning, authorial intent, retrieval, inference, predicting, summarising)
 - **Writing - Genres:**
 - 1st person narrative - The Workhouse based on Street Child by Berlie Doherty
 - TV News Report - Pickpocketing in Victorian London
 - Biography
 - 3rd Person Narrative - Origins (based on short film)
 - Dialogue in Narrative - Scrooge (based on A Christmas Carol by Charles Dickens)
- Objectives taught include:**
- Independently and confidently, compose a variety of sentences deliberately choosing vocabulary for impact
 - Write imaginative narratives, with coherent story structure, describing settings and characters using effective vocabulary
 - Assess the effectiveness of own and others' writing, identifying and improving aspects linked to success criteria and previous teaching.
- **Speaking & Listening**
 - To speak confidently in an increasing number of situations and for a variety of purposes and contribute to discussions
 - **SPAG - Spelling, Punctuation and Grammar**
 - Spell accurately and apply spelling rules (and their exceptions) in all written work
 - Identify and use a variety of sentence structures (simple, compound and complex) and conjunctions (coordinating and subordinating), correctly punctuated.
 - Identify and use increasingly complex fronted adverbial phrases for time, manner and place, followed by a comma.
 - Identify a wide range of verbs, nouns and adjectives in sentences and understand that this can vary for an individual word depending on the context

Computing

Information Technology

- To understand how cloud internet services work
- Critically evaluate results of internet searches
- Use of a range of devices (tablet, Windows OS, IOS)

Digital Citizenship

- Demonstrate responsible use of technologies and online services, and knows a range of ways to report concerns

Science

All Living Things

- Describe how living things, including animals, plants and microorganisms, are classified into broad groups
- Give reasons for classifying plants and animals based on specific characteristics.

Evolution and Inheritance

- Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago

<ul style="list-style-type: none"> • Have an awareness of their digital footprint and how it can impact on future life • Identify a wide range of ways to report concerns about content and contact. <p>Computer Science - Lego WeDo</p> <ul style="list-style-type: none"> • Design computer programs that use a range of inputs and outputs, including controlling physical systems (e.g. using tilt and motion sensors) 	<ul style="list-style-type: none"> • Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents • Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution <p>Working Scientifically</p> <ul style="list-style-type: none"> • Plan different types of scientific enquiry to answer questions, including recognising and controlling variables • Record data and results of increasing complexity • Use test results to make predictions to set up further comparative and fair tests
<p style="text-align: center;">History</p> <p>The Victorians</p> <ul style="list-style-type: none"> • Can discuss the impact and causes of historical changes in Britain. • Can use and understand abstract terms such as empire, civilisation, parliament and peasantry. • Can analyse sources of information for accuracy, usefulness and relevance and combines them to answer questions. • Can examine periods in world history; identifying contrasts with and influences on British society at the time. 	<p style="text-align: center;">Art</p> <p>William Morris background and achievements, using his work as inspiration for their own designs.</p> <ul style="list-style-type: none"> • can explore the impact William Morris' work on Victorian society • can use observational skills to replicate images by well known artists and explain how their work is similar/different. • Create and print using lino cutting techniques <p style="text-align: center;">DT</p> <p>Victorian samplers - design and create cross stitch.</p> <ul style="list-style-type: none"> • Can create a prototype of design • Can use stitching skills • Can evaluate existing products in relation to their purpose and audience. • Can collect feedback from others to find out how to improve.
<p style="text-align: center;">PSHE</p> <ul style="list-style-type: none"> • Rights Respecting - UNICEF's Rights of the Child • Creating a Class Charter • New Beginnings <p>Respecting ourselves and others</p> <ul style="list-style-type: none"> • Expressing opinions and respecting other points of view, including discussing topical issues. <p>Safe relationships</p> <ul style="list-style-type: none"> • Recognising and managing pressure; consent in different situations • How to get advice and report concerns about personal safety, including online • What consent means and how to seek and give/not give 	<p style="text-align: center;">PE/Games</p> <p>Games</p> <ul style="list-style-type: none"> • Invasion games - rugby, football, hockey, netball, handball • to develop flexibility, strength, technique, control and balance in a variety of sports and is applying tactical knowledge. <p>Gymnastics/ Dance</p> <ul style="list-style-type: none"> • Gymnastics - floor work routines • To evaluate own performance and that of others and practises with increasing control and accuracy. <p>Badminton</p> <ul style="list-style-type: none"> • To be comfortable with the feel and weight of the racket and to be able to hold the racket using the correct grip.

<p>permission in different situations</p> <p>Families and friendships</p> <ul style="list-style-type: none"> • Attraction to others; romantic relationships; civil partnership and marriage • That people who love each other can be of any gender, ethnicity or faith • Ways in which couples show their love and commitment to one another, including those who are not married or who live apart • That to force anyone into marriage is illegal 	<ul style="list-style-type: none"> • To be able to recognise how the flight of the shuttle is different to that of a ball and to be able to contact the shuttle with the face of the racket. • To be able to recognise different lines and areas on the court and be able to move around between them quickly. • To understand the reasons for warming up and stretching at the start of the session. 	
<p style="text-align: center;">Music</p> <ul style="list-style-type: none"> • Djembe Drumming • Creating music digitally using apps (eg Garage Band) • Classroom Jazz 	<p style="text-align: center;">RE</p> <p style="text-align: center;">Christianity</p> <ul style="list-style-type: none"> • What is the Golden Rule? • How is God three - and yet one? • What do the Gospels say about the birth of Jesus? 	<p style="text-align: center;">French</p> <ul style="list-style-type: none"> • Activities • Using the negative • Clothing • Likes and dislikes and opinions • Numbers to 80 • Shop conversations • French Christmas traditions and songs