

Cleves School Curriculum Map
Year 6 – AUTUMN 2021
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 names 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**

Texts - 'Street Child' by Berlie Doherty; 'The Boy in the Girl's Bathroom' by Louis Sachar

- 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
- 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 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

- **Computer Science - Lego WeDo**

- Design computer programs that use a range of inputs and outputs, including controlling physical systems (e.g. using tilt and motion sensors)

- **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)

Science

- **Working Scientifically**

- 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

- **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.

<ul style="list-style-type: none"> Digital Citizenship <ul style="list-style-type: none"> Demonstrate responsible use of technologies and online services, and knows a range of ways to report concerns 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. 	<ul style="list-style-type: none"> Evolution and Inheritance <ul style="list-style-type: none"> Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago 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>PSHE/Philosophy</p> <ul style="list-style-type: none"> Rights Respecting - UNICEF's Rights of the Child Creating a Class Charter New Beginnings Families and Friendships Safe relationships Respecting ourselves and others <p>Sex Education and Relationships</p> <ul style="list-style-type: none"> To identify some of the changes that occur during puberty for both boys and girls To learn about personal hygiene, particularly when going through puberty To explore some of the different emotions that might be experienced during puberty. 	<p>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. 	<p>Geography</p> <ul style="list-style-type: none"> None this term
<p>Art and Design</p> <ul style="list-style-type: none"> William Morris background and achievements, using his work as inspiration for their own designs. <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>RE</p> <p>Christianity</p> <ul style="list-style-type: none"> What is the Golden Rule? How is God three - and yet one? Where can we find out about the birth of Jesus? 	<p>PE/Games</p> <ul style="list-style-type: none"> Games <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. Gymnastics/ Dance <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.

<ul style="list-style-type: none"> • Victorian samplers - design and create cross stitch. <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>Music</p> <ul style="list-style-type: none"> • Djembe Drumming • Creating music digitally using apps (eg Garage Band) • Classroom Jazz 		<p>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