

**Cleves School Curriculum Map
Year 4 – Summer Term 2017
'Living Together'**

Maths

Number and Place Value (18/4/17 - 21/4/17)

- Recognise the place value of each digit in a four- digit number (thousands, hundreds, tens, ones)
- Order and compare numbers beyond 1000
- Round whole numbers to 10,000 to the nearest 10, 100 or 1000
- Count in multiples of 1000; count backwards through zero to include negative numbers

Addition and Subtraction (1/5/17 - 12/5/17)

- Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- Check answers to addition and subtraction calculations by estimating and using inverse operations
- Mentally add and subtract pairs of three-digit and four-digit numbers
- Use addition and subtraction facts to 100 and derive related facts up to 1000
- Solve number and practical problems with number and place value from the Year 4 curriculum, with increasingly large positive numbers
- Check answers to addition and subtraction calculations by estimating and using inverse operations
- Solve calculation problems involving two-step addition and subtraction in context, deciding which operations to use and why
- Estimate and compare different measures, including money
- Calculate with money in pounds and pence and record money using decimal notation

Geometry (Properties of Shape) (15/5/17 - 19/5/17)

- Compare and classify geometric shapes, including different types of quadrilaterals and triangles, based on their properties and sizes
- Use the vocabulary of the different types of triangle and quadrilateral
- Continue to make and classify 3-D shapes, including by the 2-D shapes that form their surface

Multiplication and Division (22/5/17 - 16/6/17)

- Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- Use the distributive law and associative law to perform mental calculations
- Solve problems involving multiplying and adding, including integer scaling
- Divide two-digit and three-digit numbers by a one-digit number using formal written layout
- Use place value, known and derived facts to multiply and divide mentally
- Use the distributive law and associative law to perform mental calculations
- Solve problems involving multiplying and adding, including integer scaling

- Check answers to multiplication and division calculations using rounding

Measure (Volume and Capacity) (19/6/17-23/6/17)

- Convert from larger to smaller units of metric measure
- Estimate and compare different measures, including money
- Calculate with different measures

Fractions and Decimals (26/6/17 - 7/7/17)

- Understand the relation between non-unit fractions and multiplication and division of quantities
- Solve problems involving harder fractions to calculate and divide quantities
- Add and subtract fractions with the same denominator
- Recognise and write decimal equivalents of any number of tenths or hundredths and $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$
- Divide a one- or two-digit numbers by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- Rounds decimals with one decimal place to the nearest whole number
- Compares numbers with the same number of decimal places up to two decimal places
- Solve simple measure and money problems involving fractions and decimals to two decimal places

Geometry (Position and direction) (10/7/17 - 14/7/17)

- Describe positions on a 2-D grid as coordinates in the first quadrant
- Plot specified points and draw sides to complete a given polygon
- Describe movement between positions as translations of a given unit to the left/right and up/down

Statistics (17/7/17)

- Interpret discrete and continuous data using appropriate graphical methods, including time graphs
- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs
- Begin to solve problems involving information presented in tables

Literacy

In the first half-term, we will be focussing our literacy learning around the Greek myth of 'Theseus and the Minotaur'. The children will spend time reading and exploring the themes of the story. This book will inspire creative and descriptive writing and children will then look at the features of and write a non-chronological report about a mythical beast.

In the second half-term, we will extend our focus and expose the children to a variety of myths and legends from Ancient Greece. They will then write their own mythical narrative.

Finally we will end the term linking our literacy to our science topic of keeping teeth healthy; the children will write a set of instructions and learn about the features of persuasive writing with a focus on advertising.

Spelling, Punctuation and Grammar (SPaG)

Alongside the main literacy units, we will be continuing teaching the Year 4 grammar objectives within our differentiated SPaG lessons.

Guided Reading

The children will participate in daily guiding reading sessions where they complete a carousel of activities each week. The children share a book in their differentiated groups, which they read as a group to the class teacher and independently.

Computing

The main Computing units of study are set out below, but there will be many other skills that are developed as a result of increased ICT use.

Computing is not just a stand alone subject; it permeates across the whole curriculum.

- Internet safety and digital etiquette - How to recognise and send appropriate emails, etc.
- Typing skills.
- Internet research. This will be linked to the topic work this term, including Ancient Greece.
- Key skills and features of: word processing, spreadsheets, publishing and presenting programmes, e.g. cutting, copying, pasting, aligning, changing font style, size, insert etc.
- Collecting and presenting information, in a variety of ways.
- Film projects, based on Hooke Court - including presenting and editing.
- Software developing - using Scratch to programme and write more complex algorithms.

Science

Keeping Healthy

We will be developing the children's scientific skills of planning, carrying out and interpreting scientific investigations.

- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
- Identifying that animals, including humans, need the right types and amounts of nutrition, and that they cannot make their own food, they get nutrition from what they eat.
- Identifying the types of teeth in humans and their simple functions.
- Describe the simple functions of the basic parts of the digestive system in humans
- Describe the ways in which nutrients and water are transported within animals, including humans.
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

PSHE

Sex and Relationship Education:

- Changes – examining the physical and emotional changes that occur during puberty.
- 'Growing up' – looking at how all things grow and change, reinforcing understanding that everyone is

History

Ancient Greece

We will study the beliefs, lifestyle and achievements of the Ancient Greeks.

- Ancient Greek timelines.
- City States - comparing the similarities and differences between Athens and

Geography

- Locating Greece and its key features on a map of Europe
- Locating key places of interest within Ancient Greece on a map.

<p>special.</p> <p>Moving on and new beginnings:</p> <ul style="list-style-type: none"> ● Friendships ● Looking forward and life transitions <p style="text-align: center;"><u>Philosophy</u></p> <ul style="list-style-type: none"> ● Linked to Ancient Greek philosophers. ● Pandoras Box <p style="text-align: center;"><u>RE</u></p> <ul style="list-style-type: none"> ● The Bible. What's it all about? ● How is the Christian faith expressed through worship? 	<p>Sparta.</p> <ul style="list-style-type: none"> ● Comparing the ancient and modern day Olympic Games. ● The Battle of Marathon. ● Ancient Greek Gods. ● Ancient Greek architecture and art - including Greek pots. ● Ancient Greek enquiry project focusing on lifestyle and culture. ● What Greek words we use today and their meaning. ● The Ancient Greek alphabet ● What did the ancient Greek great thinkers contribute to our knowledge of history, geography and other school subjects? ● We will study ancient Greek legacies and discuss which are the most important and why? <p>We will be studying the history of democracy linked to Ancient Greece and British Values.</p>	
<p style="text-align: center;"><u>Art</u></p> <p>This term we will be creating large scale 'Imaginary Worlds' paintings. We will be studying abstract artists using the work of Hunderwasser.</p> <ul style="list-style-type: none"> ● Experiment with ways in which surface detail can be added to drawings. ● Experiment with a range of collage techniques such as tearing, overlapping and layering to create images and represent textures. ● Experiment with different effects and textures ● Create different effects and textures with 	<p style="text-align: center;"><u>PE and Games</u></p> <p>Games</p> <ul style="list-style-type: none"> ● Sports rotation: Basketball, Cricket, Scatterball, Tennis. <p>PE</p> <ul style="list-style-type: none"> ● Dance - Children will generate their own dance sequences in response to music to represent the Olympic Games. They will practise these and perform them to their class members. ● Indoor Athletics/Athletics. 	<p style="text-align: center;"><u>Design Technology</u></p> <p>Children will design and construct their own marble maze linked to the Labyrinth (Theseus and the Minotaur)</p> <ul style="list-style-type: none"> ● We will cover the Health and Safety aspects of using tools. ● They will be taught a number of skills including sawing, joining and drilling.

<p>paint</p> <ul style="list-style-type: none"> • Mix colours and know which primary colours make secondary colours. 		
<p style="text-align: center;"><u>Music</u></p> <ul style="list-style-type: none"> • Exploring beats and rhythms • Creating and developing two-part songs and accompaniments • Using scores to notate and record ideas • Building and appraising performances 	<p style="text-align: center;"><u>French</u></p> <ul style="list-style-type: none"> • Shopping for snacks • Party activities • Buying ice creams • French-speaking countries • Clothing and colours 	
<p style="text-align: center;"><u>Summer Term 2017 Dates for your diary</u></p> <ul style="list-style-type: none"> • 1-17 April - Easter holidays • 25-28 April - Y4 visit to Hooke Court • 1 May - Early May Bank Holiday • 29 May-2 June - Half term • 5 June - Inset Day • 10 June - PTA Summer Ball • 29 June - Lower school Sports Day • 30 June - Y4 visit to Tate Gallery • Y3-5 7 July - PTA School discos • 21 July - Term ends 1.45pm • 22 July-3 September - Summer holidays • 4 & 5 September - Inset Days 		