Cleves School Curriculum Map
Year 4 – Autumn Term
'Rivers'

Maths

Number and Place Value -
Count in multiples of 1000; count backwards through zero to include negative numbers
Find 1000 more or less than a given number
Count in multiples of 6, 7, 9 and 25
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones)
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value
Identify, represent and estimate numbers to 10 000 using different representations
Order and compare numbers beyond 1000
Solve number and practical problems with number and place value from the Year 4 curriculum, with increasingly large positive numbers
Round whole numbers to 10,000 to the nearest 10, 100 or 1000

Addition and Subtraction
Solve calculation problems involving two-step addition and subtraction in context, deciding which operations to use and why
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
Understand the inverse relationship between addition and subtraction
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
Calculation problems involving two-step addition and subtraction in context, deciding which methods to use and why

Measure (length and perimeter)
Convert from larger to smaller units of metric measure
Measure the perimeter of a rectilinear figure
Calculate with different measures
Calculate the perimeter of a rectilinear figure
Continue to solve problems involving mixed units of length, mass and capacity/volume

Multiplication and Division
Use commutativity in mental calculations
Recognise factor pairs
Use factor pairs in mental calculations
Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Recall multiplication and division facts for multiplication tables up to 12 × 12
Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

Use the distributive law to multiply two digit numbers by one digit
Check answers to multiplication and division calculations using rounding
Solve problems involving multiplying and adding, including integer scaling

Measure (area)
Convert from larger to smaller units of metric measure
Measure the perimeter of a rectilinear figure
Calculate with different measures
Find the area of rectilinear shapes by counting squares and relate it to multiplication arrays
Calculate the perimeter of a rectilinear figure

Geometry (properties of angles)
Identify acute and obtuse angles
Compare and order angles up to two right angles by size
Continue to identify types of angles and to reason about their sizes

Literacy

Character description, linked to India.
The children create a character profile about *Grandpa Chatterji*, Jamila Gavin

Playscripts, linked to India.
The children create a play script about *Grandpa Chatterji,* Jamila Gavin

Stories from other cultures, linked to India.
The children will focus on the skills of creative writing including
planning and up-leveling through writing a narrative story ending for *Paradise Carpet,* Jamila Gavin.

Persuasive Writing linked to *Send My Friend To School*
We examine the features and the children write their own persuasive letter.

Non-Chronological Report linked to Rivers
The children create a report on the features of a river, comparing both the River Ganges and the River Thames.

Creative/ Descriptive
Through drama, the children will create a descriptive text combining action and dialogue.

Spelling, Punctuation and Grammar (PaG)
Children will have two punctuation/grammar lessons per week which will be linked to the current literacy unit. They will also have three spelling sessions spread across the week.

Guided Reading

The children will continue to participate in 5 guided reading sessions, per week, where they complete a carousel of activities. The children share a book in their differentiated groups, which they read as a group to the class teacher.

Computing

Computing Skills - Google Drive
- Safe and appropriate use of Google accounts
- Understand the importance of communicating safely online, and the need for keeping personal information private
- Understand how to choose a secure password and the importance of keeping passwords private
Use appropriate behaviour online using Google accounts; Know and use correct and safe handling of school hardware

Digital Citizenship
- Identify a range of ways to report concerns about content and contact.

Research Skills
- Understand the importance of using specific terms so my internet searches are efficient
- Have a basic understanding how internet search engines work;
- Understand that there are many different search engines which work in different ways and that this will affect the search results I receive;

Computer Programming (coding) - We are musicians
- Write more complex algorithms which include repetition (e.g.forever loops);
- Use logical reasoning to predict what computer programs are going to do;
- Write computer programs that use selection (if...then loops);

Science

States of matter
- Compare and group materials together, according to whether they are solids, liquids or gases
- Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius
- Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

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.

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| **PSHE**

Relationships
- Positive friendships, including online.

- Responding to hurtful behaviour; managing confidentiality; recognising risks online.

- Respecting differences and similarities; discussing differences sensitively. | **Geography**

Rivers
● To know the journey of a river from source to mouth
● To understand the effects and causes of flooding
● To locate major rivers in the Uk, their surrounding landscapes and characteristics
● To understand 6 figure grid references on an Ordnance Survey Map
● To carry out a field study and make sketches of the physical and human features of the River Thames
● To know the course of the River Ganges, from source to mouth, including the countries through which it flows | **Music**

Around the World: Exploring the pentatonic scale • Playing leaps • Reading graphic notation • Developing listening skills • Describing music using musical and non-musical terms • Composing and notating pentatonic melodies • Playing a pentatonic song with leaps • Combining tuned, untuned percussion and singing.

Time: • Identifying the metre of a new song • Singing in three independent parts • Playing and singing repeated patterns (ostinati) from notation Identifying metre in a piece of music • Understanding syncopation and using off-beat rhythms in improvisation • Combining independent parts in more than one metre • Identifying how a well-known story has been told in music • Creating music which tells a story |
| **Art**
Investigating Expressionism
● Understand the key features of the expressionism period
● Recognise 4 main artists from this period and their artwork - Mondrian, Kandinsky,Matisse and Pollock
● To be able to answer questions about Composition V by Kandinsky 1911
● To create a design inspired by expressionism and print it onto fabric.
● To create a repeated pattern and print it onto fabric | **PE/Dance and Games**

Games
● Based on the 'Real PE' scheme of work.
PE
● Sportshall athletics
● Gymnastics - Body shape | **Design Technology**

Create a reusable canvas bag using printed fabric.
● Design products that are functional and designed for purpose
● Join fabrics using a wider range of stitches. e.g. Back stitch, chain stitch.
● Choose the most appropriate joining technique to add a decoration to a piece of fabric
● Use given sewing patterns or printing blocks to add detail to designs. |

RE	French
Hinduism ● The origins of Hinduism and belief in one supreme God represented in different forms ● The Hindu Trinity ● Hindu Worship - Examining what it means to be a Hindu and how it affects daily life.	● Numbers up to 31, Days of the week, Months of the year, Birthday dates, Story in French, Age, Members of the family, Tell about your siblings, Where do you live, French Easter traditions

Dates for your diary
Information Evening - Monday 13th September River Trips - Tuesday 21st, Thursday 23rd, Friday 24th September Half term - 25th to 29th October INSET day - Monday 1st November Break up for Christmas holidays - Friday 17th December INSET day - Tuesday 4th January Return to school - Wednesday 5th January