**HISTORY:**

**GEOGRAPHY:**

**SCIENCE:**

**Observational Science (related to Animals including humans)**

* recognise the impact of diet, exercise, drugs and lifestyles on the way their bodies function. Log and record chn’s results in a variety of ways.

**Living things and their habitats**

* describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
* give reasons for classifying plants and animals based on specific characteristics.

**Animals including humans**

* identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
* describe the ways in which nutrients and water are transported within animals, including humans.

**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
* 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.

**READING:**

* Check that the book makes sense to them, discussing their understanding and exploring the meaning of words in context
* Ask questions to improve their understanding
* Summarise the main ideas drawn from more than one paragraph, identifying key details to support the main ideas
* Identify how language, structure and presentation contribute to meaning
* Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader
* Retrieve, record and present information from non-fiction
* Participate in discussions about books that are read to them and those that they can read for themselves,
* Provide reasoned justifications for their views

**WRITING:**

* Relation of words by meaning: synonym and antonym
* Identify the audience for and purpose of the writing, select the appropriate form and use other similar writing as models for their own
* In narratives, describe settings, characters and atmosphere
* Use further organisational and presentational devices to structure text and to guide the reader
* Ensure the consistent and correct use of tense throughout a piece of writing
* Proofread for spelling and punctuation errors

**MATHS: KPIs**

**Place Value**

* Round any whole number to a required degree of accuracy.
* Use negative numbers in context, and calculate intervals across zero.

**Addition, Subtraction, Multiplication & Division**

* Multiply multi-digit numbers up to 4 digits by a two-digit whole number.
* **Divide numbers up to 4 digits by a two-digit number and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.**
* 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.

**Fractions (including decimals & %)**

* Multiply one-digit numbers with up to two decimal places by whole numbers.
* **Use written division methods in cases** where **the answer has up to two decimal places.**
* Solve problems which require answers to be rounded to specified degrees of accuracy.
* Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

**Ratio & Proportion**

* Solve problems involving the calculation of percentages *[for example, of measures, and such as 15% of 360]* and the use of percentages for comparison.
* Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

**Algebra**

* Use simple formulae.

**Measurement**

* Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.

**Properties of Shapes**

* Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.

 **Position and Direction**

* Describe positions on the full coordinate grid (all four quadrants).

**Statistics**

* Interpret pie charts and line graphs and use these to solve problems.
* Calculate and interpret the mean as an average.

**ART AND DESIGN:**

* to create sketch books to record their observations and use them to review and revisit ideas
* to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
* about great artists, architects and designers in history.

**PE:**

* use running, jumping, throwing and catching in isolation and in combination
* play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending
* develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics]
* perform dances using a range of movement patterns
* take part in outdoor and adventurous activity challenges both individually and within a team
* compare their performances with previous ones and demonstrate improvement to achieve their personal best.

**RE:**

**MUSIC:**

* play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
* improvise and compose music for a range of purposes using the inter-related dimensions of music
* listen with attention to detail and recall sounds with increasing aural memory
* use and understand staff and other musical notations
* appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians
* develop an understanding of the history of music.

**DT:**

* Design, Make and Evaluate. Link this to your project work. Within the year this needs to include a link to cooking and nutrition. (see NC document for further detail).

**COMPUTING:**