**PSHE**

**Being Me in My World**

Pupils will look towards new challenges positively and learn how to set personal goals. They will understand their rights and responsibilities as British citizens and make choices about their behaviour by understanding rewards and consequences.

**Celebrating Difference**

Pupils will learn how cultural differences can sometimes cause conflict. They will be able to explain the differences between direct and indirect types of bullying and compare their lives with others in the developing world.

**Computing**

**Let’s change the world: inventors**

Pupils will create their own basic animated sequence and edit their final piece using “I can animate”, and “iMovie” apps.

NC links:

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

**PE**

**Swimming/Dance**

**Children will:**

**•Swim competently, confidently and proficiently over a distance of at least 25 metres**

**•Use a range of strokes effectively [for example, front crawl, backstroke and breaststroke]**

**• Perform safe self-rescue in different water-based situations**

**•Develop flexibility, strength, technique, control and balance**

**•Perform dances using a range of movement patterns**

**•Compare performances with previous ones and demonstrate improvement to achieve their personal best**

**History**

**How has communication changed over time?**

Pupils will investigate changes in the way we have communicated since the Stone Age

NC links:

• carry out a study of history that extends their learning beyond 1066

• gain a coherent knowledge and understanding of

Britain’s past

• ask perceptive questions, think critically, weigh evidence, sift arguments and develop perspective and judgement.

**Design and Technology**

**Textiles**

Pupils will investigate fabrics and other materials. They will learn about different types of stiches to join and to decorate. Pupils will design, evaluate and make their own pencil cases by making amendments as necessary.

NC links:

• design purposeful, functional, appealing products

• select from and use a wide range of materials

•evaluate their ideas against ideas and products

**RE**

**Hinduism**

**Pupils will learn about Hindu gods including Brahman, Vishnu and Shiva. Pupils will learn stories of the gods and interpret modern day teachings.**

**Art and Design**

**Faith Bebbington**

Pupils will be working with local artist Faith to contribute to the KS2 sculpture around the school ethos.

NC links:

• improve their mastery of art and design techniques including sculpture with a range of materials

•evaluate and analyse creative works

• taught about great artists

**Geography**

**Where does all our stuff come from?**

Pupils will find out about the UK’s global trade links and investigate where products come from and the journey they take using maps. Pupils will research the pros and cons of buying local or imported goods.

NC links

• Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.

• Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

**Science**

**Let’s Get Moving**

Pupils will learn about forces including gravity and friction before investigating how simple machines work.

NC Links:

* Explain that unsupported objects fall towards the Earth
* Identify the effects of air resistance, water resistance and friction
* Recognise that some mechanisms allow a smaller force to have a greater effect

**Material World**

Pupils will learn about materials and how they change. Pupils will test properties of materials before investigating dissolving, solutions, evaporation and reversible or irreversible changes.

NC links:

* Compare and group everyday materials
* Know that some materials will dissolve to form a solution
* Use knowledge of solid, liquids and gases to decide how mixtures might be separated
* Explain that some changes result in a the formation of new materials

**Mathematics**

**Number and place value**

Pupils should be taught to:

* read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit
* count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
* interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero
* round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
* solve number problems and practical problems that involve all of the above
* read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

**Addition and subtraction; Multiplication and division**

Pupils should be taught to:

* add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
* add and subtract numbers mentally with increasingly large numbers
* use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
* solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Pupils should be taught to:

* identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
* solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors
* know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
* establish whether a number up to 100 is prime and recall prime numbers up to 19
* multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
* multiply and divide numbers mentally drawing upon known facts
* divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
* multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
* recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
* solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
* solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

**English**

This half term, our Power of Reading books are Wild by Emily Hughes (2weeks) and Clockwork by Phillip Pullman.

**NC links**

**Reading**

* Continuing to read and discuss an increasingly wide range of fiction, poetry and non-fiction books
* Increasing familiarity with a wide range of books including myths, legends and traditional stories
* Making comparisons within and across books
* Checking the book makes sense to them by discussing their understanding
* Predicting what might happen from details stated and implied
* Participate in discussions about books that are read to them, building on their own and others’ ideas and challenging views

**Writing**

* **Spelling** - use prefixes and suffixes; distinguish between homophones; use dictionaries to check the spelling and meaning of words; use a thesaurus
* **Handwriting and presentation** – write legibly and with increasing speed by deciding whether or not to join specific letters
* **Composition** – plan writing by: identifying the audience and purpose for writing; noting and developing ideas; considering how authors have developed characters and settings. – draft and write by: in narratives, describing settings, characters and atmosphere; using further organisational and presentation devices to structure text and to guide the reader. – evaluate and edit by: assessing the effectiveness of their own and others’ writing; proposing changes; proof read for spelling and punctuation errors.

**Grammar, Vocabulary and punctuation**

Work on different word classes – nouns, adjectives, verbs, adverbs, prepositions, determiners

* Ensure the consistent and correct use of tense throughout a piece of writing
* Ensure correct subject and verb agreement when using singular and plural
* Using commas to clarify meaning or avoid ambiguity
* Punctuating bullet points clearly