Year 5 2019-20
Spring 1 Overview: Earth Science

Mathematics:

- To multiply and divide numbers up to four digits by a one or two digit number using a formal written method, including long multiplication for two digit numbers.
- To divide numbers up to four digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.
- To solve problems that involve addition and subtraction, multiplication and division and a combination of these.
- To compare and order fractions whose denominators are multiples of the same number.
- To identify, name and write equivalent fractions of a given number.
- To recognise mixed numbers and improper fractions and convert from one form to the other.
- To write mathematical statements >1 as a mixed number.
- To add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- To multiply proper fractions and mixed numbers by whole numbers.
- To read and write decimal numbers as fractions.
- To solve problems involving fractions.

English:

- To use brackets, commas and dashes to indicate parenthesis.
- To use expanded noun phrases to convey complicated information concisely.
- To identify, evaluate and adapt the features of fictional and discussion texts.
- To sequence events in texts.
- To plan, draft and edit fictional texts.
- To describe characters and settings in fictional writing.
- To recognise vocabulary and structures that are appropriate for formal writing.
- To select appropriate vocabulary, understanding how such choices can change and enhance meaning.
- To research information and make notes.

Science:

- To describe the life process of reproduction in some plants and animals.
- To describe the differences in the life-cycles of a mammal, amphibian, insect and bird.
- To begin to record data and results of increasing complexity using scientific diagrams and labels.
- To begin to identify scientific evidence that has been used to support or refute ideas.

Computing:

- To identify everyday objects that use control features to make them operate.
- To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- To explain how to use a Flowol program to control a mimic.
- To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
- To use sequence, selection and repetition in programs; work with variables and various forms of input and output.
- To recognise acceptable/unacceptable behaviour when using technology.
- To identify a range of ways to report concerns about content and contact.
- To use technology safely, respectfully and responsibly.
- To touch type accurately and at speed.

Geography:

- To describe and understand key aspects of physical geography, including climate zones, biomes, vegetation belts, types of settlement and land use.
- To describe and understand key aspects of human geography, including the distribution of natural resources including energy, food, minerals and water.
- To identify the position and significance of the Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle.
- To use four and six figure grid-references to build their knowledge of the wider world.
- To use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

Religious Education:

- To reflect on what is worth celebrating and remembering in their own life and community.
- To express their own questions and apply their own ideas to beliefs about resurrection, sacrifice, hope and life after death.
- To use religious vocabulary, symbols, art, music, dance, drama or Computing to express their understanding of the meaning of Easter for believers.

Music:

- To listen to and give opinions about a song.
- To learn to play a tune.
- To improvise tunes using instruments and build on these skills.

Physical Education:

Tennis:

- To know how to warm up for net games and why warming up is important.
- To develop the range and consistency of skills in net games, including how to volley.
- To choose a range of tactics and strategies (e.g. choosing different shots to hit the ball into court).
- To follow rules for net games, using knowledge of attack and defence.
- To evaluate performance and practise with a partner to improve standard of play.
- To create their own net game.

Basketball:

- To demonstrate control over the ball.
- To be able to dribble a ball and to maintain control while moving with the ball.
- To practise a range of passing skills.
- To practise blocking techniques (defence).
- To choose, perform and combine skills (footwork).
- To choose, perform and combine skills (creating space).

PSHE:

- To understand and practise some skills of a good communicator.
- To be able to give and receive positive and constructive feedback.
- To understand and develop effective group work skills.
- To be aware of the range of different strengths and skills people bring to a group.
- To be aware of how their strengths maybe useful for a range of different careers in the futures.
- To recognise influences on their decision making, including the media.
- To be able to persevere and overcome barriers.
- To be able to challenge themselves and others to work on developing new skills.

Art:

- 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]
- To learn about great artists, architects and designers in history.

British Values: We will be focusing on the rule of law this half term.