Year 5 Newsletter

Autumn Term 2020

Welcome to Year 5! We are looking forward to working together to make this an exciting journey of new discoveries even during these difficult times.

English: Autumn 1

Week 1	Secrets of a Sun King Summarise the main parts of the story. Letter writing (informal). SPAG – Commas to clarify meaning and avoid ambiguity, formal and informal writing.
Week 2	To plan and write a persuasive letter. To plan and take part in a balanced argument. Should artefacts be removed from the country of origin? SPAG – Different types of adverbs, ASPICE. Features of persuasive text.
Week 3	To write for a range of purposes. Features of a newspaper report. Plan and write a newspaper report. Focus on the 5Ws and cohesion across paragraphs. Diary Entry: Write a diary account. SPAG – Reported and directed speech. Cohesion across paragraphs.
Week 4	To use inference to describe a character. Discuss why authors use language, including figurative language, and the impact it has on the reader. Write a poem about the/a sandstorm. SPAG – Expanded noun phrases and figurative language.
Week 5 and 6	Journey to Jo'burg Write a narrative setting, using pictures of Africa as a starting point. Persuasive writing. SPAG – group ideas using subheadings, bullet points and paragraphs. Use a variety of methods to show cohesion.

English: Autumn 2

Week 1	Write a description the take-off of a rocket and use a range of techniques to describe the behaviour and actions to show mood.
Week 2	Revise paragraphing and cohesion as they write a description of the moon walk. Writing poetry using descriptive techniques.
Week 3	Discuss themes and conventions in books. Consider different viewpoints in writing. Write a description of a family watching the moon walk, integrating speech, description and dialogue
Week 4 - 6	Extended Write: Writing from a different viewpoint independently. To write a newspaper article about the moon landing.

Maths: Autumn

Week 1 and 2.	Place Value – to read, write, order and compare numbers up to at least 1,000,000. To count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. To solve number and practical problems that involve ordering and comparing numbers up to 1,000,000, counting forwards or backwards in steps, negative numbers, and rounding. Negative numbers and Roman numerals.
Week 3	Decimals - to read, write, order and compare numbers with up to three decimal places. To round numbers with two decimal places and solve problems involving numbers with up to three decimal places.
Week 4	Number – to use negative numbers in context when looking at temperature or money, counting forwards and backwards through 0. To find multiples and factors of a number, use vocabulary relating to prime numbers, prime factors and composite numbers. To identify and use square numbers and cube numbers and their notation.
Week 5	Addition and Subtraction – to add and subtract numbers with more than 4 digits using written methods. To add and subtract 2 and 3 digit numbers mentally.
Week 6 and 7	Multiplication and Division – to multiply numbers with up to 4 digits by a 1 or 2 digit number using formal written methods. To mentally multiply and divide numbers using the times tables. To multiply and divide whole and decimal numbers by 10, 100 and 1000. To convert between different forms of metric measurement e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre.
Week 8 and 9	Fractions – To compare and order fractions whose denominators are all multiples of the same number. To find and name equivalent fractions. To recognise mixed numbers and improper fractions and convert from one form to the other. To add and subtract fractions whose denominators are all multiples of the same number. To multiply fractions by whole numbers using objects and pictures.
Week 10	Measure – to convert between different forms of metric measurement e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre. To use all four operations to solve problems involving measure such as length, mass, volume, money, using decimal notation, including scaling.
Week 11	Area and Perimeter - to convert between different forms of metric measurement e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre. To measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. To calculate and compare the area of rectangles and estimate the area of irregular shapes. To use all four operations to solve problems involving measure such as length, mass, volume, money, using decimal notation, including scaling.
Week 12	Volume – to estimate volume by using $1cm^3$ blocks to build cuboids (including cubes) and capacity by using water and different containers. To use all four operations to solve problems involving measure such as length, mass, volume, money, using decimal notation, including scaling.
Week 13	Shape and Time – to identify 3-D shapes, including cubes and other cuboids, from 2-D representations. To solve problems involving conversion between units of time. To complete, read and interpret information in tables, including timetables.
Week 14	Translation and Reflection – to identify, describe and represent the position of a shape following a reflection or translation. To use mathematical vocabulary to explain this.
Week 15	Statistics – to solve comparison, sum and difference problems using information presented in a line graph. To complete, read and interpret information in tables, including timetables.

Vocabulary	
Science Forces Gravity, air resistance, water, resistance, friction, surface, force, effect, move, accelerate, decelerate, stop, change direction, brake, mechanism, pulley, gear, spring, gravitation, Galileo, Galilei, Isaac Newton Space	Topic Egyptian Pharaoh sphinx hieroglyphics mummification pyramid sarcophagus canopic jars primary and secondary resources

Topic: Ancient Egypt

In History this term, children will be learning about the Ancient Egyptians. This is a cross curricular unit so the children will be using a range of subjects to learn about this period of history.

Suggested Home learning: Visit the British Museum or Haslemere Museum as they both have sections about the Ancient Egyptians.

Science: Forces

In the first half term, the children will be studying forces. They will be learning about air resistance and friction and how these affect our lives. Over the course of the unit, the children will be learning the importance of repeat testing, taking accurate measurements, drawing line graphs and finding the mean of results.

In the second half term, the children will be learning about Space. They will be learning about the solar system, why earth is spherical, why we have day and night and seasons.

DT: the children will be learning about moving mechanisms to help them design a vehicle for the Launch Car Challenge and will be designing and making a CAM toy.

Art: the children will be learning about printing. They will do string printing linked to the Egyptian topic. Suggested Home learning: Try to make your own Papyrus http://www.crayola.com/crafts/egyptian-papyrus-paper-craft/

Life skills: the children will learn about growth mindset and new beginnings and completing a unit called 'Getting on and falling out'.

Music: the children will be learning about musical notation in a unit linked to the Egyptians and will be developing their understanding of the formation of an orchestra.

Computing: the children will be learning how to create and calculate using Excel. They will be learning about how to complete searches on the internet safely and effectively.

P.E: is multiskills and teamwork with Coach Attenborough and Egyptian dance.

R.E: this half term, the children will be learning how churches help us understand Christian belief and investigate why Jesus used different names for himself.

Spelling and times tables homework

As you are aware, the school's homework policy has been updated. In year 5, children should read for 30 minutes a night. They are also expected to spend 15 minutes a night doing spelling practice, this may include online games (Spelling Shed), investigations of the rule or sentence work. Also, year 5 pupils need to practice their times tables every evening for 15 minutes (Times Tables Rockstars).

Dates for the Diary

Thursday 1st October – Juniper Hall

Homework Autumn 1:

To link to our topic on the Ancient Egyptians we would like the children to research a god from Ancient Egyptian time and produce a leaflet or poster about their chosen god.

Hand in: Monday 2nd November 2020

Homework Autumn 1:

As part of our topic on Space, we would like the children to produce a piece of 2D artwork depicting a space theme.

Hand in: Monday 14th December 2020