

### **In Maths the children will:**

- Use negative numbers in context, and calculate intervals across zero
- Solve number and practical problems that involve number, place value and rounding
- Continue to practise the four operations for larger numbers using the formal written methods of columnar addition and subtraction, short and long multiplication, and short and long division
- Solve 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, levels of accuracy
- Use common factors to simplify fractions; use common multiples to express fractions in the same denomination
- Associate a fraction with division and calculate decimal fraction equivalents
- Identify the value of each digit to three decimal places and multiply and divide numbers
- Solve problems which require answers to be rounded to specified degrees of accuracy and check the reasonableness of answers
- Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
- Solve problems involving similar shapes where the scale factor is known or can be found
- Solve problems involving the calculation of percentages
- Use symbols and letters to represent variables and unknowns in mathematical situations
- Express missing number problems algebraically
- Use simple formulae expressed in words
- Generate and describe linear number sequences
- Recognise when it is possible to use formulae for area and volume of shapes
- Calculate the area of parallelograms and triangles
- Convert between miles and kilometres
- Calculate, estimate and compare volume of cubes and cuboids using standard units
- Draw 2-D shapes using given dimensions and angles using measuring tools and conventional markings and labels for lines and angles
- Calculate and interpret the mean as an average
- Interpret and construct pie charts and line graphs and use these to solve problems
- Predict missing coordinates of quadrilaterals by using the properties of shapes, which may be expressed algebraically

### **In Music the children will:**

- Play and perform, using their voices and playing untuned musical instruments with increasing accuracy, fluency, control and expression.
- Improvise and compose music for a range of purposes using the interrelated dimensions of music.
- Listen with attention to detail and recall sounds with increasing aural memory.

*A siren sounds, a building crumbles, a spitfire zooms overhead. Take cover! It's 1939 and Britain is at war. Deep down in the Anderson shelter, learn why nations are fighting and why child evacuees must make the long journey from their homes and families into unknown territory. As peace is declared, let's get ready to celebrate. Mr Churchill says "It's an unconditional surrender!"*



**Year 6**  
**Spring Term 2021**  
**A Child's War.**

### **In Science the children will:**

- 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.
- Use and construct classification systems to identify animals and plants from a range of habitats.
- Classify living things, including micro-organisms, animals and plants, into groups according to common observable characteristics and based on similarities and differences
- Research unfamiliar animals and plants from a range of habitats, deciding upon and explaining where they belong in the classification system.
- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
- Describe the ways in which nutrients and water are transported within animals, including humans.
- Our electricity topic has been postponed

### **What you can do to help your child**

- Encourage your child to attend and engage with online lessons
- Encourage your child to be organised, prepared and on time for their online lessons
- Encourage them to read independently or to someone daily, recording it in their planner or on Google Classroom
- Ask your child questions about their reading. Test them on key grammar terms, e.g. nouns, adverbs, etc. Regular mental maths practice.
- At the end of each day, ask your child 5 things they have learnt.

### In English the children will:

- Participate in discussions, presentations, performances, role play, improvisations and debates
- Give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings
- Use spoken language to develop understanding through speculating, hypothesizing, imagining and exploring ideas
- Consider and evaluate different viewpoints, attending to and building on the contributions of others
- Gain, maintain and monitor the interest of the listener
- Use a wide range of devices to build cohesion within and across paragraphs
- Note and develop initial ideas, drawing on reading and research where necessary
- Select appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
- Ensure the consistent and correct use of tense throughout a piece of writing
- Assess the effectiveness of their own and others' writing
- Proof-read for spelling and punctuation errors
- Up-level their writing through punctuation, developing paragraphs, vocabulary, connectives and conjunctions and 'PEEing' to ensure each point raised is fully explained
- Identify the audience and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- In narratives, describe settings, characters and atmosphere and integrate dialogue to convey character and advance the action
- Read *Goodnight Mr Tom* by Michelle Magorian
- Learn a wider range of poetry by heart.
- Prepare poems and plays to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience.
- Identify and discuss themes and conventions in and across a wide range of writing.
- Make comparisons within and across books.
- Retrieve, record and present information from non-fiction.
- Identify how language, structure and presentation contribute to meaning.
- Use further prefixes and suffixes and understand the guidance for adding them.
- Use further organisational and presentational devices to structure text and to guide the reader (for example, headings, bullet points, underlining).

### In PE the children will:

- Develop core strength through use of Joe Wicks, workouts Croydon Partnership, Just Dance and outdoor activities .
- Increase stamina- Can you work out for longer periods than before? Can you run faster? Can you do more sit-ups?
- Increase levels of fitness by working out regularly
- Ball skills- Can you practise skilled throws with a partner? Can you kick the ball further than before?
- Go for regular/daily walks or runs

### In PSHE the children will:

- Reflect on and celebrate their achievements, identify their strengths and areas for improvement, set high aspirations and goals.
- Realise the nature and consequences of discrimination, teasing, bullying and aggressive behaviours (including cyber bullying, use of prejudice-based language, 'trolling'), Learn how to respond and ask for help.
- Realise the consequences of anti-social, aggressive and harmful behaviours such as bullying and discrimination of individuals and communities; develop strategies for getting support for themselves or for others at risk.
- Understand that there are basic human rights shared by all people and all societies and that children have their own special rights set out in the United Nations Declaration of the Rights of the Child.
- Develop strategies to resolve disputes and conflict through negotiation and appropriate compromise and give rich and constructive feedback and support to benefit others as well as themselves.

## Year 6 Spring Term 2021 A Child's War.



### In Computing the children will:

- 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.
- Be responsible, competent, confident and creative users of information and communication technology.
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.

### In Art, Design and Technology the children will:

- Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (for example, pencil, charcoal, paint, clay).
- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.
- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.
- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
- Understand and apply the principles of a healthy and varied diet.
- Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

### In RE the children will:

- Know Sikhs have a special place of worship called a Gurdwara and what happens there.
- Link the practices that take place in a Gurdwara with Sikh beliefs and their own
- Know how Sikhs keep and protect the Guru Granth Sahib
- Suggest teachings and beliefs that sustain, inspire and influence Sikhs and think about those which sustain, inspire and influence them
- Understand some of the things that are important to Sikhs and how these make a difference to their lives
- Give their own and others' understanding about Sikhs, about who they are, why they belong to their faith and how they show they belong to this faith
- Know the key teachings of Sikhism
- Evaluate the importance of Sikh teachings and link these to other benefits
- Know and be able to name the Panj Kakke (5 Ks) and explain what they mean to Sikhs
- Be able to identify how and why people belong to different groups and what this means to them and others