

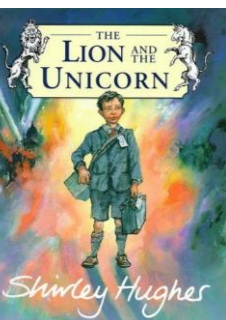
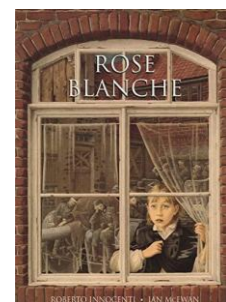
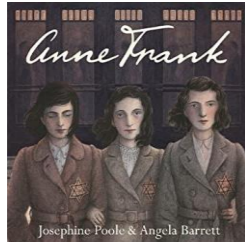
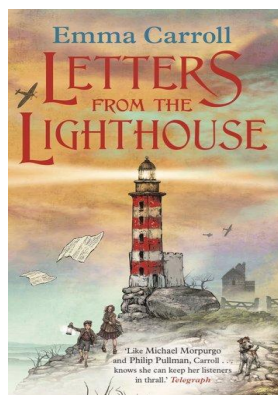
## Key Books this term:



## Year 6: Knowledge Organiser: Spring Term



### Learning Gems



### Guided Reading: Letter from the Lighthouse

#### Key Skills/knowledge:

- ✓ Read fluently, using punctuation to inform meaning.
- ✓ Read closely to ensure understanding.
- ✓ Identify key points in an appropriate text.
- ✓ Identify and comment on writer's choice of vocabulary, giving examples and explanation.
- ✓ Build on others' ideas and opinions about a text in discussion.
- ✓ Use scanning to find specific information.
- ✓ Refer to the text to support opinion.

**Key Vocabulary:** buffeted, crochety, evacuated, infuriating, jostling, mortified, ravenous, blubbing, credentials, exasperated, foisted, walloped, hubbub, disconcerting, immaculate, perilously, bittersweet, dutifully, sheepishly, tentatively.



If you are in Mr Harvey's poetry group, make sure you practise your poem regularly at home.

When you see the symbol, there may be some activities on here or on for you to try at home.

### Geography: Exploring Scandinavia

#### Key Skills/knowledge:

- ✓ Locate Scandinavia's countries and cities on world maps.
- ✓ Explore the climate and weather of Scandinavia.
- ✓ Explore the physical features of Scandinavia.
- ✓ Explore some of the human geography of Scandinavia.
- ✓ Compare and contrast an area of the UK with an area of Scandinavia.
- ✓ Plan a tourist destination to an area of Scandinavia.

**Key Vocabulary:** Norway, Finland, Denmark, Scandinavia, population, climate, weather, landscape, temperature, physical and human geography, Northern Lights, national identity, tourism.

Science – we will begin the Spring Term by finishing off our Animals including humans topic.

### Science (1): Evolution and Adaptation

#### Key Skills/knowledge:

- ✓ 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.
- ✓ Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.

**Key Vocabulary:** offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils.

What if penguins could fly?



### PSHE/RSE:

#### Jigsaw: Dreams and Goals

Aspirations, how to achieve goals and understanding the emotions that go with this.

#### Key Vocabulary:

*Dream, Hope, Goal, Learning, Strengths Stretch, Achievement, Personal, Realistic, Unrealistic, Sponsorship, Suffering, Hardship, Empathy, Motivation, Praise, Compliment, Contribution, Recognition*

#### Jigsaw: Healthy Me

Being and keeping safe and healthy.

#### Key Vocabulary:

*Responsibility, Choice, Immunisation, Prevention, Drugs, Effects, Motivation, Prescribed, Unrestricted, Restricted, Illegal, Volatile substances, Synthetic highs, New psychoactive substances, illegal, Mental health, Emotional health, Mental illness, Symptoms, Stress, Triggers, Strategies, Managing Stress, Pressure*



### Religious Education: Islam

#### Key Skills/knowledge:

- ✓ Ask questions about a Muslim view of the meaning and purpose of life and suggest own opinions about life's meaning and purpose.
- ✓ Use the right terms to describe the 5 Pillars of Islam and how the practice of each pillar makes a Muslim feel they belong to the 'ummah.'
- ✓ Explain some of the key Muslim teaching about Tawheed or the one-ness of Allah, linking these to similar or different beliefs in another faith.
- ✓ Ask about the diverse groups people belong to in British society and give my views on the challenges of being a Muslim child growing up in Britain.

### History: WW2

#### What was the impact of World War Two?

#### Key Skills/knowledge:

- ✓ To investigate the causes of World War Two
- ✓ To know about the different organisations and people who contributed to the war effort.
- ✓ To understand the impact of rationing during World War Two.
- ✓ To find out about the Blitz and the communities affected by it.
- ✓ To know about evacuation and its impact on the people involved.
- ✓ To understand the significance of the holocaust.
- ✓ To use historical enquiry skills to research, and draw conclusions about, the past.
- ✓ To construct informed responses that involve thoughtful selection and organisation of historical information.
- ✓ To develop the use of appropriate historical terms.
- ✓ To understand how our knowledge of the past is constructed from a range of sources.



**Key Vocabulary:** Allies, Axis, defeat, victory, collaborate, cause, military, civilian, appeasement, alliance, peace treaty, empire, conscription, intelligence, espionage, prisoner of war, Burma Star, George Cross, Blitz, Nazi, rationing, evacuation, discrimination, persecution, segregation, race, antisemitism, Jew, Roma, Aryan, Concentration Camp, Holocaust, MBE, ATA, WAAF, SOE.

### Science (2): Electricity

#### Key Skills/knowledge:

- ✓ Use recognised symbols when representing a simple circuit in a diagram.
- ✓ Associate the brightness of a buzzer with the number and voltage of cells used in the circuits.
- ✓ Compare and give reasons for variants in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.

**Key Vocabulary:** Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage

### Physical Education

#### Unit titles

- ✓ Invasion Games
- ✓ Dance
- ✓ Strike and Field Games
- ✓ Net and Wall Games

## English

### Writing

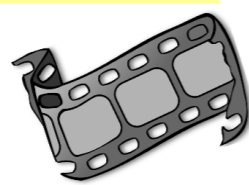
- ✓ Use knowledge of morphology & etymology in spelling.
- ✓ Develop legible personal handwriting style.
- ✓ Plan writing to suit audience & purpose; use models of writing.
- ✓ Develop character & setting in narrative.
- ✓ Select grammar & vocabulary for effect.
- ✓ Use a wide range of cohesive devices.
- ✓ Ensure grammatical consistency.

### Grammar

- ✓ Use appropriate register/ style.
- ✓ Use the passive voice for purpose.
- ✓ Use features to convey & clarify meaning.
- ✓ Use full punctuation.
- ✓ Use language of subject/object.

### Speaking & Listening

- ✓ Use questions to build knowledge, articulate arguments & opinions.
- ✓ Use spoken language to speculate, hypothesise & explore.
- ✓ Use appropriate register & language.



Narrative Units:  
Descriptive Writing  
Story Writing



Don't forget to read at least 5x a week and complete the AR Quiz when you've completed a book.



## Mathematics:

### Fractions A

- ✓ Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- ✓ Compare and order fractions, including fractions  $> 1$ .
- ✓ Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.
- ✓ Identify common factors, common multiples and prime numbers.
- ✓ Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

### Fractions B

- ✓ Multiply simple pairs of proper fractions, writing the answer in its simplest form.
- ✓ Divide proper fractions by whole numbers.
- ✓ Associate a fraction with division and calculate decimal fraction equivalents.
- ✓ Solve problems involving addition, subtraction, multiplication and division.

### Algebra

- ✓ Use simple formulae.
- ✓ Generate and describe linear number sequences.
- ✓ Find pairs of numbers that satisfy an equation with two unknowns.
- ✓ Enumerate possibilities of combinations of two variables.
- ✓ Express missing number problems algebraically.

### Decimals

- ✓ Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places.
- ✓ Solve problems which require answers to be rounded to specified degrees of accuracy.
- ✓ Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- ✓ Multiply 1-digit numbers with up to 2 decimal places by whole numbers.
- ✓ Use written division methods in cases where the answer has up to 2 decimal places.

Use TTRockstars to practise your multiplication tables or use the link below to practise your mental maths.



<https://www.mathswithamouse.co.uk/quizzzy-whizzy-mental-maths>

## Computing: Sensing Input and Movement

### Key Skills/knowledge:

- ✓ Design, write, and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- ✓ Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- ✓ Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- ✓ 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

**Key Vocabulary:** Micro:bit, MakeCode, input, process, output, flashing, USB, trace, selection, condition, if then else, variable, random, sensing, accelerometer, value, compass, direction, navigation, design, task, algorithm, step counter, plan, create, code, test, debug.

## Design Technology: Engineering Solutions (once the Soft Toy topic is completed)

### Key Skills/knowledge:

- ✓ Use research and develop design criteria to inform the design of innovative and functional products that are fit for purpose aimed at a specific group.
- ✓ Generate, develop, model and communicate their ideas through discussion, annotated sketches, exploded diagrams and prototypes (where appropriate).
- ✓ Select from and use a wider range of tools and equipment to perform practical tasks accurately.
- ✓ Select from and use a wider range of components and materials according to their functional properties and aesthetic qualities.
- ✓ Evaluate their ideas and products against their own design criteria and consider the view of others to improve their work.
- ✓ Apply understanding of computing to program, monitor and control their products.

**Key Vocabulary:** design, make, evaluate, fit for purpose, ideas, design criteria, product, function, client, programming, control.

## Art: 3D Sculpture

### Key skills/knowledge:

- ✓ Respond to the reclining figure work of Henry Moore.
- ✓ Observe a figure from a range of viewpoints.
- ✓ Respond to the mother and child work of Henry Moore.
- ✓ Adapt and improve my work as it progresses.
- ✓ Compare and comment on my own and others' work.
- ✓ Respond to the figurative sculptures of Alberto Giacometti.
- ✓ Produce a sculptural form in response to the work of Alberto Giacometti.
- ✓ Use modroc (plaster bandage) as a sculptural material.
- ✓ Review my sculpture and say what I think and feel about it.
- ✓ Research the work of craftspeople and designers working in different times and cultures as a starting point for making clay pottery.
- ✓ Review and modify my work, making changes as work progresses.

**Key Vocabulary:** distance, shading, movements, joints, position, supported, sculptural, figurative, response, modroc, wrapping, smooth, plaster, process, record, maquette, representation, pinching, pulling, stroking, smoothing, Greek, pottery, decoration, modify.

## Music: Jazz

- ✓ Describe the style indicators of the song/music.
- ✓ Describe the structure of the song.
- ✓ Identify the instrument/voices they can hear.
- ✓ Talk about the musical dimensions used in a song.
- ✓ Play instrumental parts with the music by ear using C, D, E, F, G, A, B and C/
- ✓ Improvise using a range of notes.
- ✓ Perform and share their music.

**Key Vocabulary:** Blues, Jazz, improvisation, by ear, melody, compose, improvise, pulse, rhythm, pitch, tempo, dynamics, timbre, texture, structure, dimensions of music, hook, riff, solo.



duolingo

Use Duolingo to practise your French speaking and reading.



## French: Continuation of Let's Visit a French Town

### Key Skills/knowledge (including vocabulary):

- ✓ Listen for familiar vocabulary.
- ✓ Recognise ordinal numbers.
- ✓ Use appropriate words for number operations.
- ✓ Identify a spelling pattern.
- ✓ Join in with a song or poem to help remember new language.