

Science: Light

Pre Teach session: Mind map knowledge harvest what they know about light - see guidance of previous learning.

Lesson 1: To apply our understanding of how light travels to explain how a periscope and other applications of mirrors work. (light mazes)

Lesson 2: To understand how a pinhole camera works and, using suitable representations, show how this helps us to understand how we see things

Lesson 3: To identify the variables that affect the size of a shadow, and plan a fair test to investigate one of them

Lesson 4: To carry out a fair test to investigate the relationship between shadow size and an independent variable

Lesson 6: To recognise that whilst light does travel in straight lines, sometimes it changes direction when travelling from one thing into another

Lesson 7: To understand that white light is made of a spectrum of colours and these can be separated out

Religious Education: Islam- Beliefs and Practices

Enquiry Question: What is the best way for a Muslim to show commitment to Allah?

Lesson 1: To understand what is meant by the term commitment

Lesson 2: To understand that Muslims show their commitment to Allah through Shahada (Profession of Faith)

Lesson 3: To understand that Muslims show their commitment to Allah through Salat (prayer)

Lesson 4: To understand that Muslims show their commitment to Allah through Zakah (charity)

Lesson 5: To understand how Muslim to show commitment to Allah through Sawm (Fasting)

Lesson 6: To understand how Muslims show their commitment to Allah through Hajj (pilgrimage)

Experiences and Educational Visits:

Scars of the unfought battle
Hire a veteran zoom call (Cosford)
Weston Park

STEM Project:

How can I cause maximum damage with a bouncing bomb?
Maths link: circles (radius, diameter etc of impact zone)

PSHE: Being me in my world

How does democracy and having a voice benefit everyone in the school community?

PE: Tag Rugby

Lesson 1: To be able to improve my handling of the ball

Lesson 2: To be able to pass and receive on the move

Lesson 3: To be able to individually overcome an opponent

Lesson 4: To be able to overcome an opponent as a team

Lesson 5: To be able to defend in an organised shape

Lesson 6: To defend in an organised shape

Lesson 7: To play the game fairly and competitively

Indoor Athletics

Lesson 1: To be able to develop sprinting technique

Lesson 2: To be able to develop the technique for hurdling

Lesson 3: To be able to improve the baton exchange in an indoor relay

Lesson 4: To be able to measure my jumps for distance

Lesson 5: To be able to throw using the low to high principle

Lesson 6: To throw competitively

Lesson 7- To compete in indoor athletics

Computing: Programming

Lesson 1: To understand the need for encryption of data.

Lesson 2: To understand how data is protected when it is shared over the internet.
Lesson 3: To encrypt and decrypt data using given keys.

Lesson 4: To develop my own digital encryption using Excel.

Lesson 5: To investigate how binary is used to quickly transfer data.

Lesson 6: To learn how networks can be arranged.

Languages: Salut! French: In France

Lesson 1: On the bridge of Avignon/ Leçon 1: Sur le pont d'Avignon - To be able to learn a song using French vocabulary.

Lesson 2 : Where in France ?/Leçon 2 : Où en France ? To be able to name places and ask where in France they are located.

Lesson 3 : In Paris/Leçon 3 : À Paris

To be able to recognise famous landmarks of Paris.

Lesson 4: They speak French/Leçon 4: On parle français To be able to state other countries that speak French.

Lesson 5 : French food/Leçon 5 : La nourriture française To be able to ask questions about food in France.

Lesson 6 : Croque-monsieur/Leçon 6 : Le croque-monsieur To be able to make a traditional French dish : Croque-Monsieur.

Mathematics

Week 1	Week 2	Week 3	Week 4
Arithmetic: Place Value Place Value LO: To read, write, order and compare numbers at least to 10,000,000 and determine the value of each digit. Mathematics link to History: Time line Dates of events in time order	Arithmetic: Rounding Place Value and Rounding LO: To round any whole number to a required degree of accuracy. To solve number problems and practical problems that involve rounding, reading, writing, ordering and comparing numbers to 10,000,000	Arithmetic: Square numbers Mental and written methods of Addition and Subtraction LO: To perform mental calculations, including with mixed operations and large numbers. To solve addition and subtraction multi-step problems in contexts	Arithmetic: Times tables Multiples, factors and prime numbers LO: To identify common factors, common multiples and prime numbers. Mathematics link to : Measurements Practical measuring amounts using scales
Week 5	Week 6	Week 7	
Mock SATs Week To solve problems involving addition, subtraction, multiplication and division. To use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy. Mathematics link to DT: Measurements Practical measuring amounts using scales	Arithmetic: Mental addition and subtraction Written methods for multiplication and division: HTU x + TU and HTU x + U LO: To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the efficient written method of long multiplication. To divide numbers up to 4 digits by a two-digit whole number using the efficient written method of long division, and interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context.	Arithmetic: Division Geometry: circles and angles LO: To illustrate and name parts of circles, including radius, diameter and circumference. To recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. Mathematics link to STEM: Angles Prior learning- Understand angles	

Put That Light Out!

Class Novel:
When We Were Warriors – Emma Carroll

Reading			
Week 1	Week 2	Week 3	Week 4
P	V	I	E
Text: When We Were Warriors LO: To predict the main parts of the text using a wordle of the blurb	Texts: Adverts from the 1930s/1940s, PSAs Ongoing: When We Were Warriors LO: To identify key vocabulary and its meaning within context	Texts: letters from evacuees, Pat's story Ongoing: When We Were Warriors LO: To make inferences from fiction and non-fiction texts	Text: When We Were Warriors LO: To know authors use particular language which will have impact on me, the reader.
Week 5	Week 6	Week 7	
Mock SATs week	R	S	
Continue to read class text – When We Were Warriors Children to enjoy periods of sustained independent reading/ library visit.	Texts: Ongoing: When We Were Warriors LO: To retrieve, record and present information from fiction.	Texts: WWII Poetry- https://www.teachwire.net/teaching-resources/blechley-park-world-war-2-poetry-pack-for-ks2-english LO: To identify key details and ideas in texts by summarising a given number of paragraphs	

Main Text: When we were Warriors– Emma Carroll. Comparing stories by the same author. Vocabulary focus ongoing throughout every lesson. Gain familiarity and exposure of level 1, 2 and 3 words (Word Aware link). Every Friday—SATs style practice.

Humanities: History focus: Battle of Britain

Lesson 1: To understand and acknowledge key events in World War II

Lesson 2: To understand the build-up to the Battle of Britain

Lesson 3: To understand the key events during the Battle of Britain

Lesson 4: To analyse the different types of planes that fought in the Battle of Britain

Lesson 5: To understand how the Nazi's were defeated by the RAF

Lesson 6: To look at a range of historical sources and make appropriate inferences from them

Lesson 7: To discuss and debate a historical question: Why do some people say that the Battle of Britain was a turning point for the British in World War II?

The Arts (Music, Drama, Art):

Broadcast radio announcement of the World War 2: English writing link. Green screen of the speeches.

Art: Blitz pictures—rehearsal of skills

Music: Exploring sounds- soundscape. See Telford Arts Trust planning.

DT: Food Technology

Rationing Recipes

Lesson 1: To investigate the rationing allowance during WWII

Lesson 2: To know what foods people would grow at home to subsidise their rations.

Lesson 3: To investigate recipes from WWII

Lesson 4: To be able to design my own two-course rationing recipe

Lesson 5: To make a two-course meal using only my ration tokens and food that can be grown in the garden.

Lesson 6: To evaluate and reflect on my two-course rationing recipe

Writing						
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Writing Focus:						
Speech To write a script to announce the beginning of World War II	Persuasive Writing To write a persuasive advert to join the war effort	Letter To write an emotive letter home as an evacuee	Narrative - Story To write the ending of a story		Non Chronological report To write an information booklet to keep people safe in the Blitz from the point of view of an ARP warden	Poetry To write a non-rhyming poem about WWII memories (Beyond the lines- literacy shed!)
SPAG Focus:				Mock SATS week		
Basic punctuation	Word class	Conjunctions	Expanded noun phrases		Speech marks – direct speech	Semi colon
Spelling focus					Spelling Rule 43 - Adding suffixes beginning with vowel letters to words ending in -fer	Spelling Rule 45 - Words with the /i:/ sound spelt ei after c
Spelling Rule 37 - Endings which sound like / s/ spelt -cious or -tious	Spelling Rule 38 - Endings which sound like / l/ (e.g. social, crucial... etc.)	Spelling Rule 39 - Words ending in -ant, -ance/-ancy, -ent, -ence/-ency (1 of 2)	Spelling Rule 41 - Words ending in -able and -ible Words ending in -ably and -ibly (1 of 2)			