



Wow Starter: The Art of Geometry
Visit from Sir Teachalot (January 22nd)

Final Event: Class Museum

UNDERSTANDING THE WORLD

Location knowledge LKS2

- ge27 I can identify the countries of Europe (including Russia) on a map or globe
- ge29 I know the major cities in the countries I can identify
- ge30 I can talk about the environmental regions and key human and physical characteristics of the countries I can identify

Human and physical geography LKS2

- ge42 I understand human geography in relation to types of settlement and land-use

Core Skills across the Key Stage LKS2

- hi18 I can place events, people and changes into correct periods of time (British, local and world history)
- hi19 I can describe key features and events in the periods and societies I have studied
- hi21 I can use a range of appropriate historical vocabulary including abstract terms such as 'empire' or 'peasantry'
- hi23 I can ask and answer questions about similarities and differences and their significance
- hi25 I can produce structured work from an appropriate range of resources relevant to the focus of enquiry

- hi26 I can use sources of information, including ICT, to find out about events, people and changes in the past
- hi27 I understand that the same event in the past can be interpreted or represented differently by different people
- hi61 I know about the way of life and beliefs of a particular ancient civilisation and can compare and contrast its main features with societies or other periods I have studied, including my own
- hi62 I know about the Ancient Greeks and how the legacy of that society still impacts on Britain and the wider world today

Core Skills across the Key Stage UKS2

- hi106 I can locate and describe the earliest civilisations whilst being aware that sources of evidence from those times can be interpreted in different ways
- hi107 I know about the way of life and beliefs of a particular ancient civilisation and can compare and contrast its main features with societies or other periods I have studied, including my own
- hi108 I know about the Ancient Greeks and how the legacy of that society still impacts on Britain and the wider world today

PHYSICAL EDUCATION

LKS2

- pe4.1 I can explain how developing my skills separately has improved my performance in team games
- pe5 I can play competitive net, striking, fielding and invasion games
- pe5.1 I can describe both attacking and defending tactics and strategies and begin to apply them

Swimming and water safety LKS2

- pe10 I can swim unaided in a recognised style over a distance of 25m
- pe10.1 I can swim at least two strokes in a recognised style

UKS2

- pe11.1 I can explain how developing my skills separately has improved my performance in team games
- pe12 I can play competitive net, striking, fielding and invasion games
- pe12.1 I can describe both attacking and defending tactics and strategies and begin to apply them

Swimming and water safety UKS2

- pe17 I can swim unaided in a recognised style over a distance of 25m
- pe17.1 I can swim at least two strokes in a recognised style

PSED & RELIGIOUS EDUCATION

PSED Preparing to play an active role as citizens LKS2

- pa25 Continue to value contributions of others in discussion.
- pa28 Identify reasons about why rules are needed.
- pa29 Understand there are consequences when rules are broken.
- pa31 Understand that there are responsibilities as well as rights.

PSED Developing good relationships and respecting the differences between people LKS2

- pr28 Empathise with the lives of people living in other places and times, and people with different values and customs.

PSED Preparing to play an active role as citizens UKS2

- pa34 Understand why and how laws are made and enforced.
- pa35 Understand there are consequences when rules/laws are broken.



COMMUNICATION AND LANGUAGE

LKS2

- fl11 I can speak and write about everyday life
- sl19 use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- sl20 speak audibly and fluently with an increasing command of Standard English
- sl21 participate in discussions, presentations, performances, role play, improvisations and debates
- sl23 consider and evaluate different viewpoints, attending to and building on the contributions of others
- sl24 select and use appropriate registers for effective communication.

UKS2

- fl11 I can speak and write about everyday life
- sl27 use relevant strategies to build their vocabulary
- sl28 articulate and justify answers, arguments and opinions
- sl30 maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
- sl31 use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- sl32 speak audibly and fluently with an increasing command of Standard English

EXPRESSIVE ARTS AND DESIGN

LKS2

- ad10 I can show in my sketch book how I have developed techniques and ideas
- ad12 I can show examples of drawing using pencil and charcoal.

UKS2

- mu14 I can compose pieces of music for a specific purpose, choosing and combining sounds to achieve the effect I desire
- mu15 I can compose pieces of music using the dimensions and elements of music expressively

- mu16 I can listen carefully and perform accurately from memory
- mu17 I can perform from simple, standard notation
- mu19 I can describe, compare and evaluate different kinds of music
- mu21 I can talk about some famous composers and musicians and express my opinions of their music using appropriate vocabulary

OUTDOOR LEARNING

Inclusion with Bardwell School



The Creative Learning Journey

Apple Odyssey Maths and English



MATHEMATICS AND COMPUTING

- Number - number and place value UK52**
- m117 find 1000 more or less than a given number
 - m122 round any number to the nearest 10, 100 or 1000
- Number - addition and subtraction UK52**
- m120 add and subtract numbers with up to 4 digits using the formal written method of column addition and subtraction where appropriate
- Number - multiplication and division UK52**
- m130 recognise and use factor pairs and commutativity in mental calculations
 - m133 multiply two-digit and three-digit numbers by a one-digit number using formal written layout
 - m132 solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
- Number - Fractions (including decimals) UK52**
- m134 count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
 - m138 recognise and write decimal equivalents to 1/4, 1/2, 3/4
- Measurement UK52**
- m144 measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
 - m140 find the area of rectilinear shapes by counting squares
- Geometry - properties of shapes UK52**
- m151 identify lines of symmetry in 2-D shapes presented in different orientations
- UK52**
- c618 I can make a program repeat a set of instructions (using FOR-NEXT)
 - c624 I can use search technologies effectively
 - c628 I am aware that information from some sources may not be accurate
 - c628 I can use a variety of software to present data and information (including combining images and text, multi-media presentations and data bases)
- Number - number and place value UK52**
- m160 interpret negative numbers in context; count forwards and backwards with positive and negative whole numbers, including through zero
 - m163 round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
- Number - addition and subtraction UK52**
- m164 add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
 - m166 use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
 - m167 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- Number - multiplication and division UK52**
- m168 identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
 - m169 know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
 - m170 establish whether a number up to 100 is prime and recall prime numbers up to 19
 - m171 multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
 - m173 divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
 - m174 multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
 - m175 recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
 - m176 solve problems involving multiplication and division using their knowledge of factors and multiples, squares and cubes
 - m177 solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
 - m178 solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.
- Measurement UK52**
- m191 convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
 - m192 understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints
 - m193 measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
 - m194 calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes
 - m195 estimate volume (for example, using 1cm³ blocks to build cubes (including cubes) and capacity (for example, using water))
 - m197 use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling
- Geometry - properties of shapes UK52**
- m199 know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles
 - m200 draw given angles, and measure them in degrees ($^\circ$)
 - m206 distinguish between regular and irregular polygons based on reasoning about equal sides and angles.
- UK52**
- c642 I am aware that information from some sources may not be accurate
 - c643 I understand that some sources are biased
 - c645 I can use a variety of software to present data and information (including combining images and text, multi-media presentations and data bases)

Maths in art week

In this week pupils will be learning maths vocabulary relating to different types of lines and producing a drawing using straight lines joined in sequence. They will also explore tessellation using North American quilting patterns.

Number and Place Value

rounding to the nearest 10, 100, 1000, interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero, round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000

Addition, Subtraction, Multiplication, Division

Continuing to develop efficient written methods for all four operations. Solve multi step word and number problems in context

Measurement

measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres find the area of rectilinear shapes by counting squares Convert between different units of measure Calculate and compare the area of rectangles and estimate the area of irregular shapes estimate volume

Geometry

know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles draw given angles, and measure them in degrees ($^\circ$)

Computing

Pupils will use the internet for research on Ancient Greece and the word and PowerPoint to produce some of their Odyssey Maths and English They will use programming to produce a piece of artwork

Persuasive Writing
Pupils will revise the key features of persuasive writing and produce choosing words for effect within descriptive phrases before writing a travel poster encouraging people to visit Greece for a holiday.

Narrative
Pupils will explore the features of myths and compare these with legends. They will focus on the structure of the Theseus and the Minotaur story before writing their own myth. Focused writing activities will include work on settings, character description and interacting limited dialogue within the narrative.

Play scripts
Pupils will look at the structure of play scripts as part of their work on Greek theatre.

Spelling and Grammar
Word Classes
Pronouns and nouns
Organising and linking paragraphs
Apostrophes for plural possession
determiners

LITERACY

Reading - comprehension UK52

- e141 increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally
- e142 identifying themes and conventions in a wide range of books
- e151 identifying main ideas drawn from more than one paragraph and summarising these
- e152 identifying how language, structure, and presentation contribute to meaning

Writing - transcription - Spelling UK52

- e223 use further prefixes and suffixes and understand the guidance for adding them
- e229 continue to distinguish between homophones and other words which are often confused
- e226 use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1
- e229 use a thesaurus.

Writing - composition UK52

- e234 identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- e235 using and developing initial ideas, drawing on reading and research where necessary
- e236 in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed
- e239 in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
- e244 assessing the effectiveness of their own and others' writing
- e245 proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- e246 ensuring the consistent and correct use of tense throughout a piece of writing
- e248 proof-read for spelling and punctuation errors

Reading - word reading UK52

- e200 apply their growing knowledge of root words, prefixes and suffixes (morphology and etymology, as listed in English Appendix 1, both to read aloud and to understand the meaning of new words that they meet

Reading - comprehension UK52

- e202 continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- e203 reading books that are structured in different ways and reading for a range of purposes
- e204 increasing their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions
- e205 recommending books that they have read to their peers, giving reasons for their choices
- e206 identifying and discussing themes and conventions in and across a wide range of writing
- e207 making comparisons within and across books
- e218 asking questions to improve their understanding
- e213 drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- e215 summarising the main ideas drawn from more than one paragraph, identifying key details that support the main idea
- e216 identifying how language, structure and presentation contribute to meaning

Writing - vocabulary, grammar and punctuation UK52

- e186 using and punctuating direct speech

Writing - composition UK52

- e229 using expanded noun phrases to convey complicated information concisely
- e205 using modal verbs or adverbs to indicate degrees of possibility
- e256 using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun
- e259 using connectives to clarify meaning or avoid ambiguity in writing