

# Frome Vale Academy Long Term Scheme of Learning YEAR 2021 – 2022 Year 4

	Term 1 (6 weeks, 3 days) INSET Thurs 21st and Fri 22nd Oct	Term 2 (7 weeks)	Term 3 (3 days, 6 weeks) INSET Tues 4 <sup>th</sup> Jan	<b>Term 4 (6 weeks)</b> INSET Weds 16 <sup>th</sup> March	Term 5 (5 weeks)	Term 6 (7 weeks) INSET Fri 8 <sup>th</sup> July
Special Weeks				World Book Week		Fitness Week
	Text	Text	Text	Text	<b>Text</b> Jemmy Button by Valerio	Text
	Arthur and The Golden Rope;	The Wolves in the Walls by Neil Gaiman	The Iron Man by Ted Hughes	Edison by Torben Kuhlmann	Vidali Dragonology	The Great Kapok Tree
	Ignition activity	Other wolf depictions: Villains, the last wolf, 3 little pigs video	Ignition activity	Ignition activity	Ignition activity:	Ignition activity  Forest school read text / prediction
	Artefact analysis Viking Day – craft and information stations	(literacy shed) etc.  Ignition activity  Crime Scene, clues	Short video clip Marking out iron man in playground	Science – use artefacts to create a submarine, so small toy can get treasure and stay dry.	Find dragonologist artefacts inc. eggs / predict  Main Fiction Outcome	Create rainforest in a box.
	<b>Main Fiction Outcome</b> Narrative	Main Fiction Outcome Innovated narrative: change	Creating Iron Man figures in art link (sculpture) Antony Gormley	Main Fiction Outcome  Narrative — alternative ending/innovation	Original narrative	<b>Main Fiction Outcome</b> Diary entry – The day of and the day after.
English	<b>Main Non-Fiction Outcome</b> Non-chronological Report (Anglo-	perspective  Main Non-Fiction  Outcome	Main Fiction Outcome  Narrative - Prequel	Main Non-Fiction Outcome: Instructions (based on DT) or fictional	Main Non-Fiction Outcome Non-chronological report	<b>Main Non-Fiction Outcome</b> Persuasion – climate link
	Saxons double page spread)  Incidental writing opportunities  Diary  Setting description	Persuasive letter in character  Incidental writing  opportunities  Character description	Main Non-Fiction Outcome Newspaper Report - fictional Incidental writing opportunities	(How to make a mouse submarine)  Incidental writing opportunities  Letter  Diary	Incidental writing opportunities Riddles Descriptions	Incidental writing opportunities  Setting description  Non chronological report on  Rainforest.
	Character description Dialogue	Report on wolves	Diary Setting description	Invitations Biography	Diary Recount	Showcase
	Showcase	<b>Showcase</b> Persuasion performances	Dialogue Poetry	Poetry	Poetry - Figurative language	Display (hall)
	Display (hall)	(record?)	Showcase Display (hall)	<b>Showcase</b> Create an instructional video.	Showcase Create own PPTs on dragon species and habitats, present to class	

#### **Number and Place Value**

- -count in multiples of 6, 7, 9, 25 and 1000
- -find 1000 more or less than a given number -count backwards through zero
- to include negative numbers
  -recognise the place value of
  each digit in a four-digit number
  (thousands, hundreds, tens, and
  ones)
- order and compare numbers beyond 1000
- identify, represent and estimate numbers using different representations
- round any number to the nearest 10, 100 or 1000
- solve number and practical problems that involve all of the above and with increasingly large positive numbers
- read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

#### Addition and Subtractions

- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate -estimate and use inverse operations to check answers to a calculation -solve addition and subtraction two-step problems in contexts,

deciding which operations and

methods to use and why.

#### **Multiplication and Division**

- -recall multiplication and division facts for multiplication tables up to 12 × 12
  -use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- -recognise and use factor pairs and commutativity in mental calculations

# Measurement, Length and Perimeter (2 weeks)

-measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

# Problems with 4 operations

#### **Multiplication and Division**

- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- 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.

#### Measurement – Area

-find the area of rectilinear shapes by counting squares

#### Fractions and Decimals

- -recognise and show, using diagrams, families of common equivalent fractions
- count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- add and subtract fractions with the same denominator -recognise and write decimal equivalents of any number of tenths or hundredths -recognise and write decimal equivalents to a half, a quarter, three quarters.
- -compare numbers with the same number of decimal places up to two decimal places

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- -recognise and write decimal equivalents of any number of tenths or hundredths -recognise and write decimal equivalents to a half, a quarter, three quarters.
- -compare numbers with the same number of decimal places up to two decimal places
- -solve simple measure and money problems involving fractions and decimals to two decimal places.

#### Money

 estimate, compare and calculate different measures, including money in pounds and pence

# **Decimals**

- -find the effect of dividing a one- or twodigit number by 10 and 100, identifying the
- value of the digits in the answer as ones, tenths and hundredths
- -round decimals with one decimal place to the nearest whole number

#### Time

- -read, write and convert time between analogue and digital 12- and 24-hour clocks
- -solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
- -Solve problems with time

# Statistics

Pupils should be taught to:
-interpret and present
discrete and continuous data
using appropriate graphical
methods, including bar
charts and time graphs.
-solve comparison, sum and
difference problems using
information presented in bar
charts, pictograms, tables
and other graphs.

# Geometry

- -compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- identify acute and obtuse angles and compare and order angles up to two right
- angles by size
- identify lines of symmetry in 2-D shapes presented in different orientations
- -complete a simple symmetric figure with respect to a specific line of symmetry.

#### Measures

-Convert between different units of measure [for example, kilometre to metre; hour to minute]

#### **Position and Direction**

- -describe positions on a 2-D grid as coordinates in the first quadrant -describe movements between positions as translations of a given unit to the left/right and up/down -plot specified points and draw sides to complete a given polygon
  - Problems with 4 operations

**Problems Solving Focus** 

|--|

	N/A	Context: Locational	Context: Locational know	vledge of South	Context: Contrasting study:
		knowledge of England	America and the World		England and the region in South
					America (Recommendation: Peru)
		Question: How do maps and	Question: How does phys	sical geography	
		compass and grid reference	impact human behaviour		Question: How does human and
		system help us find locations?	How can I use the globe to		physical geography interact?
		,	climate and physical feat		What are the differences and
		Topic: UK geography –			similarities between England and
		counties, cities and landmarks	Name countries within So	outh America	the region in South America
		countries, enties and randinants	(Brazil, Equador, Chile, Bo		(Peru)?
		Locational knowledge of	(Stazii) Equadoi) eliile) Se	, and coloniala,	(. 5.5).
		England – Counties and	Reference South America	n countries in	Topic: South America (Peru/Brazil)
		significant cities	relation to each other usin		Contrasting study: England and
		significant crues	and North America	ing the compass	the region in South America
		Know the counties of region	and North America		(Peru/Brazil)
		(South-east & London: Kent,	Locate American continer	nts in relation to	(i cray brazily
		Berkshire, Surrey, West Sussex,	the Artic Circle and Antaro		
		East Sussex, Essex,	the fulle ende and fullare	euc en de.	Know location of Peru and
		Buckinghamshire, Hampshire,	Identify the hemisphere (s	southern)	surrounding countries (Brazil,
		Oxfordshire, Herefordshire)	latitude, longitude and tin	**	Equador, Chile, Bolivia, Colombia)
		Oxiorasime, merelorasime)	relation to Greenwich Me		Equador, Criffe, Bolivia, Coloribia)
		Know significant cities in	time.	:Hulan mean	Identify the country/countries
		England (London, Bristol,	tille.		location in relation to the globe:
		Manchester, Birmingham,	Identify the position of Eq	ustor & the	hemisphere (northem), latitude,
		Liverpool, Leeds, Sheffield,	tropics of Cancer and Trop	•	longitude and time zones in
_		Newcastle).	tropies of earlier and frog	pic of capiticorn	relation to Greenwich Meridian
l k		ive weastre j.	Skills – use maps and, com	nnass and grid	mean time.
Geography		Identify characteristics of the	references	mpass and gira	mean time.
808		England (famous landmarks	references		Know geographical similarities and
Ğ		both physical and human e.g.	Skills – digital computer m	nanning	differences through the study of
		Dover Cliffs, Blackpool tower,	okino angicareompater n	1000	physical geography:
		Windsor Castle, Lake District,	Skills – use globes and atla	ases	privates Beaglapily.
		Angel of the North, Hadrian's			Physical: Biomes and vegetation
		Wall)			belts, climate zones, topography
		,			Know geographical similarities and
		- use maps, atlases, globes and			differences through the study of
		digital/computer mapping to			human geography:
		locate countries and describe			
		features studied			Identify the different land use
		-use the 8 points of a compass,			patterns within each area using
		4- and 6-figure grid references,			maps and images (recreational,
		symbols and key (including the			transport, agricultural, residential
		use of Ordnance Survey maps)			and commercial) and understand
		to build their knowledge of the			that aspects have changed over
		United Kingdom and the wider			time.
		world			- Identify economic activity
		-use fieldwork to observe,			including trade links, and the
		measure record and present			distribution of natural resources
		the human and physical			including energy, food, minerals
		features in the local area using			and water.
		a range of methods, including			Skills – use maps and, compass and
		sketch maps, plans and graphs,			grid references
		and digital technologies			Skills – digital computer mapping
					Skills – use globes and atlases.
	•		· · · · · · · · · · · · · · · · · · ·	ı	

Skills – fieldwork reco present human and p features (rivers and i	hysical		
Skills – Ordnance Sur compass	vey and		

istory

Questions: How do artefacts help us create a picture of the past? Is history biased?

**Topic: Anglo Saxons** 

Period study: Britain's settlement by Anglo-Saxons and Scots (410 AD - 1066 AD)

People: Jutes, Angles & Saxons, see below for known leaders, Augustine, King Ethelbert, Bede, Offa, Egbert, Alfred the Great, Athelson, Aethelred the Unready, Harold Godwin, Edward the Confessor, William the Conqueror, Hrothgar (Danish King). Events: After the Roman leave in 410AD, a series of Saxon tribes invaded Britain and over the course of 100 years create seven kingdoms (Kent, Sussex, Wessex, Northumbria, East Anglia, Mercia, Essex). Wessex becoming one of the most powerful Anglo Saxon Kingdoms. Following this the Vikings land and establish in East Anglia and Northumbria until. Eventually the two unite the country. Series of rulers and invasions (see below for details)

Landmarks: Lindisfarne, Sutton Hoo, Offa's Dyke, All Saints Church Brixworth, St. Laurence's Church 700 AD, · Religious: establishment of Christianity, Sutton Hoo in AD 600, Cultural: Beowulf-epic poem, Runes, Pit houses, feasts, Bede Chronicles-writing of History since Caesar, Anglo Saxon crosses, town names including etymology e.g. West Super Mare (two Saxon words West and - tun or settlement, S means on or above, Mare

Questions: How do artefacts help us create a picture of the past? Is history biased?

Period study: Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor (AD 789 – AD 1066)

People: Jutes, Angles & Saxons, see below for known leaders, Augustine, King Ethelbert, Bede, Offa, Egbert, Alfred the Great, Athelson, Aethelred the Unready, Harold Godwin. Edward the Confessor, William the Conqueror, Hrothgar (Danish King). Events: After the Roman leave in 410AD, a series of Saxon tribes invaded Britain and over the course of 100 years create seven kingdoms (Kent, Sussex, Wessex, Northumbria, East Anglia, Mercia, Essex). Wessex becoming one of the most powerful Anglo Saxon Kingdoms. Following this the Vikings land and establish in East Anglia and Northumbria until. Eventually the two unite the country. Series of rulers and invasions (see below for details)

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Cultural: Beowulf-epic poem, Runes, Pit houses, feasts, Bede Chronicles-writing of History since Caesar, Anglo Saxon crosses, town names including etymology e.g. West Super Mare (two Saxon words West and -tun or settlement, S means on or above, Mare means sea), Frome (Fast flowing river), Avon (River), Technological: weaponry (sashes &

shields), ploughs, cooking pots,

coinage, ironage.

Question: How do conflicting primary sources help us to build a picture of the past?

**Topic: Mayan Civilizations** 

Era Study: a non-European to provide contrast with British History (250 BC – AD 900)

People: Ahau Pacal Votan ruler, Sun God, Maize God, Sky

Events: 900AD end of Classical Period, collapse of some Mayan cities. Cause unclear potentially war, social strife, environmental change. Mayan culture continued elsewhere and new city states emerged.

Landmarks: The Great Pyramid built at city of Venta, El Castillo Pyramid, Kukulcan in Chichen Itza (at which during the spring and autumn equinox a shadow is cast resembling a snake)

Religious: polytheist encompassing nature, astronomy and rituals. 165+ Gods are represented in nature i.e Sun God (Kinih Ahous) and Maize God (Yum Kaax). Mayan Creation story – they believed that people were made from mud, wood and then maize, the last one and white and yellows maize dough and the blood of the Gods. The first humans were four men and four women. The Gods were cross with the humans for not worshipping them.

Cultural: Classical Period 250AD to 900AD) Every person had an animal companion that shared there soul (Way Ob). Every King had a Jaguar companion. Human sacrifice (slaves, captured enemies and children) at the temples, in particular children were sacrificed to

means sea), Frome (Fast flowing	Social and economic: villages such	appease the rain God during
river), Avon (River),	as reconstruction at West Stow,	periods of drought. Sport
Technological: weaponry	burial grounds.	Ulama, ball games from
(sashes & shields), ploughs,	Hierarchy: kingdoms, rulers,	1400BC, rubber ball game a bit
cooking pots, coinage, iron age.	monasteries.	like basketball using any bit of
Social and economic: villages		the body except hands and feet.
such as reconstruction at West		They had championships
Stow, burial grounds.		between rival kingdoms and
Hierarchy: kingdoms, rulers,		states and they played to the
monasteries.		death.
		Technological: Maya begin to
		form larger settlement like
		Copan and Chalchuapa 1000BC.
		700BC development of writing
		and their script from that period
		is the only one to be fully
		deciphered. 400C Mayan
		calendar called the 'Long
		Count'. 3000BC adopted idea of
		a monarchy. 100BC city state of
		Teotihuacan in the Valley of
		Mexico is built and the first
		Pyramids are built. Astronomers
		(measured the exact length of
		the solar year and the lunar
		month) and developed advance
		mathematical skills (had the
		concept of 0 before Europe).
		Sophisticated water
		management systems with
		canals and irrigation.
		canais and milgarion.
		Social and economic: 600 AD
		City at his peak. Cities planned
		on a Grid system, wealth from
		agriculture and trades. Several
		cities blossom, connected by
		roads (Sacbeob) cut through the
		jungle in limestone beds. Gave
		rise to cities like Tikal and
		Chichen Itza. The importance of
		maize. No grazing animals so
		forests were not cleared.
		Hierarchy: Kings in most Maya
		cities, ruled with 'divine right.'
		Their power was asserted by
		the Gods. Nobles were 10-15%
		of the population. Vast majority
		of people were farmers and
		workers, artisans who
		sometimes had to conduct
		unpaid work.

	I NI/A				NI/A	NI/A
DΤ	N/A		Project: Design, make and evaluate a robot / bridge using 3D shapes  Resources: - Cardboard - Tubes - Straws - Glue - Tape - Corrugated card  Create bit by bit.	Project: Design a game with electrical components  Buzz wire game  Resources: Copper wire Bottle tops with hold in top. Blue tac / play dough. Box to hide mechanism.	N/A	N/A
Æ	ТВС	TBC	TBC	TBC	TBC	TBC
PE	Real PE 1	Real PE 2	Real PE 3	Real PE 4	Real PE 5	Real PE 6
	Future Stars	Gym / Dance	Hockey	OAA	Tag Rugby	Athletics / Sports Day Prep
	<b>Jigsaw</b> : Being Me in My World	<b>Jigsaw</b> : Celebrating Difference	Jigsaw: Dreams and Goals	<b>Jigsaw</b> : Relationships	Jigsaw: Healthy Me	Jigsaw: Changing Me
	Learning behaviour: Aspiration/Motivation	Learning behaviour: Collaboration	Learning behaviour: Self- evaluation	Learning behaviour: Resilience  Year B Value:	Learning behaviour: Focus	Learning behaviour: Curiosity
FVC	Year B Value: Friendship Year A Value: Respect	Year B Value: Fairness/Justice	Year B Value: Contribution Year A Value: Truth and Honesty	<b>Loyalty</b> Year A Value: Responsibility	Year B Value: Courage Year A Value: Kindness	Year B Value: Forgiveness Year A Value: Humility
	<b>No Outsiders Book</b> : Dogs Don't Do Ballet	Year A Value: Thankfulness  No Outsiders Book: King and King	<b>No Outsiders Book:</b> The Way Back Home	<b>No Outsiders Book:</b> The Flower	<b>No Outsiders Book:</b> Red – A Crayon Story	

	) Information Technology (T5&6)
Researching to create own report on Vikings and Angio Saxons  • understand computer networks induding the internet, how they can provide multiple services, such as the world wide welt, and the opport unities they offer for communication and collaboration.  • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.  • use been hoolegy safely, respectfully and responsibly recognize acceptable plane for use short content and ontact.  Information Technology Powerpoint  • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.  • use been hoolegy safely, respectfully and responsibly recognize acceptable of ways to report concerns about content and contact.  Information Technology Powerpoint  • use search technologies of the specific goals, including controlling or simulating physical systems, solve problems by decemposing 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.  Digital literacy  Using digital maps (Geography link) – rivers of England  • use search technologies of the simple algorithms work and to detect and correct errors in algorithms and programs and repetition in programs work and to detect and correct errors in algorithms and programs.  Digital literacy  Using digital maps (Geography link) – rivers of England  • use search technology safety, and the program in the same program in the accomplish specific goals, including controlling or simulating physical systems, solve or use 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 programs in the same programs and the programs and repetition in programs. The program is	Excel – collect data in maths, PE, Science  Digital computer mapping  -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,

• A recap of core questions and answers (eg. Name, age, how are you, descriptions, alphabet, colours)  • Learn the target language alphabet and how to answer, "How is it spelt?"  • A recap of core questions and answers (eg. Name, age, how are you, descriptions, alphabet, colours)  • Learn weather phrases in target language.  • Learn clothing items.  • Re-cap of colours and clothes description.  • Recap with weather + sports with clothes. (Je porte/Llevo)  • Recap with weather + sports with clothes. (Je porte/Llevo)		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
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• Re-cap of sports with alphabet focus.	MFL	<ul> <li>A recap of core questions and answers (eg. Name, age, how are you, descriptions, alphabet, colours)</li> <li>Learn the target language alphabet and how to answer, "How is it spelt?"</li> <li>Re-cap of sports with</li> </ul>	<ul> <li>Seasons</li> <li>Learn weather phrases in target language.</li> <li>Learn seasons</li> <li>Learn compass</li> </ul>	<ul> <li>Learn clothing items.</li> <li>Re-cap of colours and clothes description.</li> <li>Recap with weather + sports with clothes. (Je</li> </ul>	<ul> <li>Re-cap of clothes vocab</li> <li>Building towards "event": fashion show, shop role play,</li> </ul>	Little Red Riding Hood	Little Kea Klaing Hood

			N/A	N/A	N/A	N/A
	String Instruments	String Instruments				
	(1h per week)	(1h per week)				
Music	- improvise and compose music for a range of purposes using the inter-related dimensions of music  - listen with attention to detail and recall sounds with increasing aural memory  -use and understand staff and other musical notations  -appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians	-play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression  -develop an understanding of the history of music.				