National Curriculum Map



Statutory Requirements Year 6

This document contains all of the statutory requirements of the National Curriculum (2014) broken down by subject. Please note this document should also be read in conjunction with the English and Maths appendices.

	English (Year 6)									
Spoken Language	Word Reading	Comprehension	Writing – transcription	Writing – Handwriting	Writing – Composition	Writing – Grammar, Vocabulary and Punctuation				
Pupils should be taught to: Ilisten and respond appropriately to adults and their peers Ask relevant questions to extend their understanding and knowledge Use relevant strategies to build their vocabulary articulate and justify answers, arguments and opinions give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings maintain attention and	Pupils should be taught to: 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.	Pupils should be taught to: maintain positive attitudes to reading and understanding of what they read by: continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks reading books that are structured in different ways and reading for a range of purposes 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	Spelling (see English Appendix 1) Pupils should be taught to: use further prefixes and suffixes and understand the guidance for adding them spell some words with 'silent' letters [for example, knight, psalm, solemn] continue to distinguish between homophones and other words which are often confused 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 use dictionaries to check the spelling	Pupils should be taught to: write legibly, fluently and with increasing speed by: choosing which shape of a letter to use when given choices and deciding whether or not to join specific letters choosing the writing implement that is best suited for a task.	Pupils should be taught to: plan their writing by: identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own noting and developing initial ideas, drawing on reading and research where necessary in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed draft and write by: selecting appropriate grammar and vocabulary,	Pupils should be taught to: develop their understanding of the concepts set out in English Appendix 2 by: recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms using passive verbs to affect the presentation of information in a sentence using the perfect form of verbs to mark relationships of time and cause using expanded noun phrases to convey complicated information concisely using modal verbs or				

	participate	recommending		and meaning of		understanding		adverbs to
	actively in	books that they		words		how such		indicate
	collaborative	have read to		Words		choices can		degrees of
	conversations.	their peers,	•	use the first three or		change and		possibility
	staying on topic	giving reasons		four letters of a		enhance		. ,
	and initiating	for their choices		word to check			•	using relative
	9			spelling, meaning or		meaning		clauses
	and responding	identifying and		both of these in a	•	in narratives,		beginning with
	to comments	discussing		dictionary		describing		who, which,
•	use spoken	themes and				settings,		where, when,
	language to	conventions in	•	use a thesaurus.		characters and		whose, that or
	develop	and across a				atmosphere and		with an implied
	understanding	wide range of				integrating		(i.e. omitted)
	through	writing				dialogue to		relative
	speculating,	making				convey character		pronoun
	hypothesising,	comparisons				and advance the		learning the
	imagining and	within and				action		grammar for
	exploring ideas	across books			-	précising longer		years 5 and 6
						passages		in English
•	speak audibly	 learning a wider 				using a wide		Appendix 2
	and fluently	range of poetry				range of devices	indicate ara	mmatical and
	with an	by heart				to build cohesion	_	
	increasing	preparing poems				within and	other featur	•
	command of	and plays to read				across	•	using commas
	Standard	aloud and to				paragraphs		to clarify
	English	perform, showing						meaning or
		understanding			•	using further		avoid
	participate in	through				organisational		ambiguity in
	discussions,	intonation, tone				and		writing
	presentations,	and volume so				presentational	-	using hyphens
	performances,	that the meaning				devices to		to avoid
	role play,	is clear to an				structure text		ambiguity
	improvisations	audience				and to guide the		using brackets,
	and debates	ddd				reader [for		dashes or
	gain, maintain	understand what they read by:				example,		commas to
	and monitor the	checking that the				headings, bullet		indicate
	interest of the	book makes				points,		parenthesis
	listener(s)	sense to them,				underlining]	_	•
	, ,	discussing their			evaluate an	d edit by:	•	using semi-
•	consider and	understanding				assessing the		colons, colons
	evaluate	and exploring the				effectiveness of		or dashes to
	different					CITOUIVOITOSS OF		mark

viewpoints,	meaning of	their own and boundaries
attending to	words in context	others' writing between
and building on	 asking questions 	proposing independent
the	to improve their	changes to clauses
contributions of	understanding	vocabulary, using a colon
others	■ drawing	grammar and to introduce a
select and use	a.ag	punctuation to list
001001 0110 000	inferences such	enhance effects punctuating
appropriate	as inferring	and clarify bullet points
registers for	characters'	5 a 5 c 5
effective	feelings,	o o notice my
communication.	thoughts and	ensuring theuse and
	motives from	consistent and understand the
	their actions, and	correct use of grammatical
	justifying	tense throughout terminology in
	inferences with	a piece of writing English
	evidence	 ensuring correct Appendix 2
	 predicting what 	subject and verb accurately and
	might happen	agreement when appropriately in
	from details	using singular discussing
	stated and	and plural, their writing
	implied	distinguishing and reading.
	·	between the
	summarising the	language of
	main ideas	speech and
	drawn from more	writing and
	than one	choosing the
	paragraph,	
	identifying key	appropriate
	details that	register
	support the main	proof-read for
	ideas	spelling and
	 identifying how 	punctuation
		errors
	language,	
	structure and	perform their
	presentation	own
	contribute to	compositions,
	meaning	using
	discuss and evaluate	appropriate
	how authors use	intonation,
	now addition doo	volume, and
	1	,

language, including	movement so
figurative language,	that meaning is
considering the impact	clear.
on the reader	
 distinguish between 	
statements of fact and	
opinion	
retrieve, record and	
present information from	
non-fiction	
 participate in discussions 	
about books that are	
read to them and those	
they can read for	
themselves, building on	
their own and others'	
ideas and challenging	
views courteously	
 explain and discuss their 	
understanding of what	
they have read, including	
through formal	
presentations and	
debates, maintaining a focus on the topic and	
using notes where	
necessary	
, and the second	
• provide	
reasoned justifications for	
their views.	
titoli views.	

			Maths (Year 6)				
Number – Number – Number and Addition and Place Value subtraction, Multiplication and division	Number – fractions inc decimals & %	Ratio & Proportion	Algebra	Measurement	Geometry Properties of shape	Geometry Position & Direction	Statistics
Pupils should be taught to: read, write, order and compare numbers up to 10 000 000 and determine the value of each digit round any whole number to a required degree of accuracy use negative numbers in context, and calculate intervals across zero solve number and practical problems that involve Pupils should be taught to: multiply multidigit numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number are mainders, fractions, or by rounding, as appropriate	Pupils should be taught to: 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 multiply simple pairs of proper fractions, writing the	Pupils should be taught to: 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 the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	Pupils should be taught to: use simple formulae generate and describe linear number sequences express missing number problems algebraically find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of two variables.	Pupils should be taught to: solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places	Pupils should be taught to: draw 2-D shapes using given dimensions and angles recognise, describe and build simple 3-D shapes, including making nets compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons illustrate and name parts of circles, including	Pupils should be taught to: describe positions on the full coordinate grid (all four quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	Pupils should be taught to: Interpret and construct pie charts and line graphs and use these to solve problem Calculate and interpret the mean as an average.

all of the	for the	answer in its	solve	convert	radius,	
above.	context	simplest form	problems	between miles	diameter and	
		[for example,	involving	and kilometres	circumference	
above.	divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context perform mental calculations, including with mixed operations and large numbers identify common factors, common multiples and prime numbers use their knowledge of the order of operations to carry out	[for example, \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}\] Individe proper fractions by whole numbers [for example, \frac{1}{3} \div 2 = \frac{1}{6}\] Individe proper fractions by whole numbers [for example, \frac{1}{3} \div 2 = \frac{1}{6}\] Individual associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, \frac{3}{8}\] Individual individual individual places and multiply and divide numbers by 10, 100 and 1000 giving answers up to				
	calculations	three decimal places				

involving four operation subtract and to use a why	ins digit numbers with up to two decimal places by whole numbers ion use written division methods in cases where the answer has up to two decimal places of accuracy ins digit numbers with up to two decimal places by whole numbers ion use written division methods in cases where the answer has up to two decimal places ion use of the problems which require answers to be rounded to specified degrees of accuracy			
	accuracy acc			

Science (Year 6)										
Working Scientifically	Living things and their habitats	Animals, inc Humans	Evolution & Inheritance	Light	Electricity					
During years 5 and 6, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content: planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary (WS1) taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate (WS2) recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs (WS3) using test results to make predictions to set up further comparative and fair tests (WS4)	Pupils should be taught to: 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 (S1) give reasons for classifying plants and animals based on specific characteristics. (S2)	Pupils should be taught to: identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood (S3) recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function (S4) describe the ways in which nutrients and water are transported within animals, including humans (S5)	Pupils should be taught to: recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago (S6) recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents (S7) identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution (S8)	Pupils should be taught to: recognise that light appears to travel in straight lines (S9) use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye (S10) explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes (S11) use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them (S12)	Pupils should be taught to: associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit (S13) compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches (S14) use recognised symbols when representing a simple circuit in a diagram (S15)					

•	reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations			
	(WS5) identifying scientific evidence that has been used to support or refute ideas or arguments. (WS6)			

charcoal,	correct errors	equipment to perform	human and physical	through teaching the	and help*	aural memory	balance [for
paint, clay]	in algorithms	practical tasks	characteristics, key	British, local and	(F3)	(M3)	example,
(A2)	and programs	[for example, cutting,	topographical	world history		■ use and	through
	(C3)	shaping, joining and	features (including	outlined below,	speak in	asc and	athletics and
 about great 		finishing], accurately	hills, mountains,	teachers should	sentences,	understand	gymnastics]
artists,	 understand 	(D3)	coasts and rivers),	combine overview	using familiar	staff and other	(P3)
architects	computer		and land-use	and depth studies to	vocabulary,	musical	
and	networks	 select from and use a 	patterns; and	help pupils understand both the	phrases and	notations	perform
designers in	including the	wider range of materials	understand how	long arc of	basic	(M4)	dances using
history.	internet; how	and components,	some of these	development and	language	annreciate	a range of
(A3)	they can	including construction	aspects have	the complexity of	structures	approdute	movement
	provide	materials, textiles and	changed over time	specific aspects of	(F4)	and	patterns
	multiple	ingredients, according to	(G2)	the content.		understand a	(P4)
	services, such	their functional	(G2)	Pupils should be	 develop 	wide range of	
	as the world	properties and aesthetic	 identify the position 	taught about:	accurate	high-quality	 take part in
	wide web; and	qualities	and significance of	changes in	pronunciation	live and	outdoor and
	the	(D4)	latitude, longitude,	Britain from	and intonation	recorded	adventurous
	opportunities	, ,	Equator, Northern	the Stone	so that others	music drawn	activity
	they offer for	Evaluate	Hemisphere,	Age to the	understand	from different	challenges
	communicatio	 investigate and analyse 	Southern	Iron Age	when they are	traditions and	both
	n and	a range of existing	Hemisphere, the	(H1)	reading aloud	from great	individually
	collaboration	products	Tropics of Cancer	(111)	or using	composers	and within a
	(C4)	(D5)	and Capricorn, Arctic	the Roman	familiar words	and musicians	team
	(- /		and Antarctic Circle,	Empire and	and phrases*	(M5)	(P5)
	use search	 evaluate their ideas and 	the Prime/Greenwich	its impact on	(F5)	develop an	compare their
	technologies	products against their	Meridian and time	Britain	 present ideas 	understanding	performances
	effectively,	own design criteria and	zones (including day	(H2)	and	of the history	with previous
	appreciate	consider the views of	and night)	■ Britain's	information	of music.	ones and
	how results	others to improve their	(G3)	- Dillain 3	orally to a	(M6)	demonstrate
	are selected	work	(33)	settlement by	,	(IVIO)	
	and ranked,	(D6)	Diago imposidada o	Anglo-Saxons	range of audiences*		improvement to achieve
	and be	understand how key	Place knowledgeunderstand	and Scots			
	discerning in	events and individuals in	geographical	(H3)	(F6)		their personal
	evaluating		similarities and	the Viking	 read carefully 		best.
	digital content	design and technology		and Anglo-	and show		(P6)
	(C5)	have helped shape the	differences through	Saxon	understanding		
		world	the study of human	struggle for	of words,		Swimming and
	select, use	(D7)	and physical	the Kingdom	phrases and		water safety
	and combine		geography of a		simple writing		
	a variety of	Technical knowledge	region of the United	of England to	(F7)		swim
	software	apply their	Kingdom, a region in	the time of	(17)		competently,
	(including	understanding of how to	a European country,	Edward the			

T	intornet	strongthon stiffen and	and a region within	1	Confocacr	-	approxists		confidently
	internet	strengthen, stiffen and	and a region within		Confessor	ļ -	appreciate		confidently
	services) on a	reinforce more complex	North or South America		(H4)		stories, songs,		and proficiently
	range of	structures		•	a local history		poems and		
	digital devices	(D8)	(G4)		study		rhymes in the		over a
	to design and	 understand and use 			(H5)		language		distance of at
	create a	mechanical systems in	Human and physical				(F8)		least 25
	range of	their products [for	geography describe and	•	a study of an	•	broaden their		metres (P7)
	programs, systems and	example, gears, pulleys,	understand key		aspect or		vocabulary		
	content that	cams, levers and	aspects of:		theme in		and develop	•	use a range
	accomplish	linkages]	physical		British history		their ability to		of strokes
	given goals,	(D9)			that extends pupils'		understand		effectively [for
	including	 understand and use 	geography, including:				new words		example, front crawl,
	collecting,	electrical systems in	climate		chronological knowledge		that are		backstroke
	analysing,	their products [for	zones,		beyond 1066		introduced		and
	evaluating	example, series circuits	biomes and		(H6)		into familiar		breaststroke]
	and	incorporating switches,	vegetation		(110)		written		(P8)
	presenting	bulbs, buzzers and	belts, rivers,	•	the		material,		(1 0)
	data and	motors]	mountains,		achievements		including		perform safe
	information	(D10)	volcanoes		of the earliest		through using		self-rescue in
	(C6)	, ,	and		civilizations –		a dictionary		different
		 apply their 	earthquakes,		an overview		(F9)		water-based
'	use	understanding of	and the		of where and	•	write phrases		situations
	technology	computing to program,	water cycle		when the first		from memory,		(P9)
	safely,	monitor and control their	(G5)		civilizations		and adapt		` '
	respectfully and	products.	■ human		appeared and		these to		
	responsibly;	(D11)	geography,		a depth study		create new		
	recognise		including:		of one of the		sentences, to		
	acceptable/un	Cooking and nutrition	types of		following: Ancient		express ideas		
	acceptable		settlement		Sumer; The		clearly		
	behaviour;	 understand and apply 	and land use.		,		(F10)		
	identify a	the principles of a	economic		Indus Valley; Ancient		describe		
	range of ways	healthy and varied diet	activity		Egypt; The	_	people,		
	to report	(D12)	including		Shang		places, things		
	concerns	 prepare and cook a 	trade links,		Dynasty of		and actions		
	about content	variety of predominantly	and the		Ancient China		orally* and in		
	and contact.	savoury dishes using a	distribution of		(H7)		writing		
	(C7)	range of cooking	natural		(117)		(F11)		
	\ - <i>\</i>		resources		Ancient		(· · · /		
			including		Greece – a				
		1	1	l	510000 - a				

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	techniques	energy, food,	study of	understand		
	(D13)	minerals and	Greek life and	basic		
	 understand seasonality, 	water	achievements	grammar		
	and know where and	(G6)	and their	appropriate to		
	how a variety of		influence on	the language		
	-	Geographical skills and	the western	being studied,		
	ingredients are grown,	fieldwork	world	including		
	reared, caught and	use maps, atlases,	(H8)	(where		
	processed.	globes and		relevant):		
	(D14)	digital/computer	a non-	feminine,		
		mapping to locate	European	masculine and		
		countries and	society that	neuter forms		
		describe features	provides	and the		
		studied	contrasts with	conjugation of		
		(G7)	British history	high-		
			– one study	frequency		
		 use the eight points 	chosen from:	verbs; key		
		of a compass, four	early Islamic	features and		
		and six-figure grid	civilization,	patterns of the		
		references, symbols	including a	language;		
		and key (including	study of	how to apply		
		the use of Ordnance	Baghdad c.	these, for		
		Survey maps) to	•	instance, to		
		build their knowledge	AD 900;	build		
		of the United	Mayan			
		Kingdom and the	civilization c.	sentences;		
		wider world	AD 900;	and how these differ		
		(G8)	Benin (West			
		use fieldwork to	Africa) c. AD	from or are		
			900-1300.	similar to		
		observe, measure,	(H9)	English.		
		record and present		(F12)		
		the human and				
		physical features in		The starred (*)		
		the local area using a		content above will		
		range of methods,		not be applicable to		
		including sketch		ancient languages.		
		maps, plans and				
		graphs, and digital				
		technologies.				
		(G9)				