National Curriculum 2014 Planning Document



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.

The document is to support the long, medium and short term planning processes to ensure both full coverage and progression. In the non-core subjects it is important that Key Stage teams plan for progression as this is not prescribed within the curriculum document. This document will form the start of the planning process and can be used as a monitoring tool to ensure all elements of the core areas are covered within the National Curriculum Year Group.

			ENGLISH			
Spoken Word	Word Reading	Comprehension	Writing – transcription	Writing – Handwriting	Writing – Composition	Writing – Grammar, Vocabulary and Punctuation
taught to: Ilisten and respond appropriat ely to adults and their peers ask relevant questions to extend their understan	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 recommending books that they	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 and meaning of words use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary use a thesaurus.	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 little 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, understanding	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 adverbs to indicate degrees of possibility using relative clauses beginning with who, which, where, when,

	have madded that	hannandrahabara da da da da
structured	have read to their	how such choices whose, that or with
descriptio	peers, giving	can change and an implied (i.e.
ns,	reasons for their	enhance meaning omitted) relative
explanati	choices	in narratives,
ons and	 identifying and 	describing • learning the
narratives	discussing	settings, grammar for years
for	themes and	characters and 5 and 6 in English
different	conventions in	atmosphere and Appendix 2
purposes,	and across a wide	intograting
including	range of writing	dialogue to
for		convey character other features by:
expressin	making	and advance the using commas to
g feelings	comparisons	action clarify meaning or
	within and across	l avoid ambiguity in
maintain	books	 précising longer writing
attention	 learning a wider 	passages using hyphens to
and	range of poetry by	 using a wide avoid ambiguity
participat	heart	range of devices using brackets,
e actively	- proporing pooms	to build cohesion dashes or commas
in	 preparing poems and plays to read 	within and across to indicate
collaborat	and plays to read	l paragraphs
ive		paragrapho parenthesis using further
conversat	perform, showing	organisational using semi-colons,
ions,	understanding	and colons or dashes to
staying	through	presentational mark boundaries
on topic	intonation, tone	devices to between
and .	and volume so	structure text and independent
initiating	that the meaning	to guide the clauses
and	is clear to an	reader [for using a colon to
respondin	audience	reader [10]
g to	understand what they	example, introduce a list headings, bullet punctuating bullet
comment	read by:	
S		partie,
3	checking that the	underlining] ■ use and understand
use	book makes	 evaluate and edit by: the grammatical
spoken	sense to them,	 assessing the terminology in
language	discussing their	effectiveness of English Appendix 2
to	understanding	their own and accurately and
develop	and exploring the	others' writing appropriately in
understan	meaning of words	discussing their
ding	in context	proposing writing and reading
<u> </u>		changes to writing and reading.

through	 asking questions 	vocabulary,
speculatin	to improve their	grammar and
g,	understanding	punctuation to
hypothesi	drawing	enhance effects
sing,	inferences such	and clarify
imagining	as inferring	meaning
and	_	■ ensuring the
exploring	characters'	
ideas	feelings, thoughts	consistent and
lucas	and motives from	correct use of
speak	their actions, and	tense throughout
audibly	justifying	a piece of writing
and	inferences with	 ensuring correct
fluently	evidence	subject and verb
with an	predicting what	agreement when
increasin	might happen	using singular
g	from details	and plural,
command	stated and implied	distinguishing
of	· ·	between the
Standard	 summarising the 	language of
English	main ideas drawn	speech and
English	from more than	writing and
participat	one paragraph,	choosing the
e in	identifying key	appropriate
discussio	details that	register
ns,	support the main	
presentati	ideas	proof-read for
ons,	 identifying how 	spelling and
performa	language,	punctuation
nces, role	structure and	errors
play,	presentation	a conference (the discount
improvisa	contribute to	• perform their own
tions and	meaning	compositions,
debates		using appropriate
dobatos	 discuss and evaluate how 	intonation,
gain,	authors use language,	volume, and
maintain	including figurative	movement so that
and	language, considering the	meaning is clear.
monitor	impact on the reader	
the		
interest of	 distinguish between 	
the	statements of fact and	

listener(s)	opinion
 consider and evaluate different viewpoint s, attending to and building on the contributi ons of others select and use appropriat e registers for effective communi cation. 	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 provide reasoned justifications for their views.

			Maths				
Number – Number – Ad Number and and subtract Place Value Multiplication division	ction, fractions incom and decimals & %	Ratio & Proportion	Algebra	Measurement	Geometry Properties of shape	Geometry Position & Direction	Statistics
Pupils should be taught to: I read, write, order and compare numbers up to 10 000 000 and determine the value of each digit I round any whole number to a required degree of accuracy I use negative numbers in context, and calculate intervals across zero I solve number and practical problems that involve all of the I read, write, order and compare multiply mul numbers up digits by a twhole number the formal with formal	ti-digit to 4 wo-digit per using written ong on multiples to express fractions in the same denomination worder fractions, including fractions > 1 and and subtract fractions with different denominators and mixed numbers, using the entered on the same denominators and mixed numbers, using the concept of equivalent fractions with different denominators and mixed numbers, using the concept of equivalent fractions multiply simple pairs of proper fractions, writing the answer in its	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 Solve problems involving similar shapes	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 convert between miles and kilometres	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, quadrilateral s, and regular polygons lustrate	Pupils should be taught to: describe position s on the full coordin ate grid (all four quadran ts) draw and translat e simple shapes on the coordin ate plane, and reflect them in the axes.	Pupils should be taught to: Interpret and construc t pie charts and line graphs and use these to solve problem Calculate and interpret the mean as an average.

above.	calculations,	simplest form	where the	 recognise that 	and name	
	including with mixed	[for example,	scale factor is	shapes with the	parts of	
	operations and large	$\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$	known or can	same areas can	circles,	
	numbers	4 ^ 2 - 8 1	be found	have different	including	
	 identify common 	 divide proper 	solve	perimeters and	radius,	
	factors, common	fractions by	problems	vice versa	diameter	
	multiples and prime	whole numbers	involving	 recognise when 	and	
	numbers	[for example,	unequal	it is possible to	circumferen	
		$\frac{1}{3} \div 2 = \frac{1}{6}$	sharing and	use formulae for	ce and	
	 use their knowledge 	3 . 2 - 6 1	grouping	area and volume	know that the diameter	
	of the order of	 associate a 	using	of shapes	is twice the	
	operations to carry out calculations	fraction with	knowledge of	 calculate the 	radius	
	involving the four	division and	fractions and	area of	radius	
	operations	calculate	multiples.	parallelograms	recognise	
		decimal		and triangles	angles	
	 solve addition and 	fraction		G	where they	
	subtraction multi-step	equivalents [for		calculate,	meet at a	
	problems in contexts,	example, 0.375] for a		estimate and	point, are on	
	deciding which	simple fraction		compare volume	a straight	
	operations and	[for example,		of cubes and	line, or are	
	methods to use and	-		cuboids using	vertically	
	why	$\frac{3}{8}$]		standard units,	opposite, and find	
	solve problems	identify the		including cubic	missing	
	involving addition,	value of each		centimetres (cm³) and cubic	angles.	
	subtraction,	digit in		metres (m ³), and	arigios.	
	multiplication and	numbers given		extending to		
	division	to three		other units [for		
	 use estimation to 	decimal places		example, mm ³		
	check answers to	and multiply		and km ³].		
	calculations and	and divide				
	determine, in the	numbers by				
	context of a problem,	10, 100 and				
	an appropriate	1000 giving				
	degree of accuracy.	answers up to				
		three decimal				
		places				
		multiply one-				
		digit numbers				
	l .	J - 1 - 2			ī l	

with up to two	
decimal places	
by whole	
numbers	
■ use written	
division	
methods in	
cases where	
the answer has	
up to two	
decimal places	
 solve problems 	
which require	
answers to be	
rounded to	
specified	
degrees of	
accuracy	
■ recall and use	
equivalences	
between	
simple	
fractions,	
decimals and	
percentages,	
including in	
different	
contexts.	

	Science									
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 • taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate • recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs • using test results to make predictions to set up further comparative and fair tests • reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and	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 give reasons for classifying plants and animals based on specific characteristics.	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 recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function describe the ways in which nutrients and water are transported within animals, including humans.	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 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.	Pupils should be taught to: recognise that light appears to travel in straight lines 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 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 use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	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 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 use recognised symbols when representing a simple circuit in a diagram.					

degree of trust in results, in oral and written forms such as displays and other presentations			
 identifying scientific evidence that has been used to support or refute ideas or arguments. 			

			Non-Core Subje	ects			
Art & Design	Computing	Design & Technology	Geography	History	MFL	Music	PE
Pupils should be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design. Pupils should be taught: • to create sketch books to record their observations and use them to review and revisit ideas • to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay] • about great	Pupils should be taught to: 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 understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the	Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment]. When designing and making, pupils should be taught to: **Design** ** use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups ** generate, develop, model and	Pupils should extend their knowledge and understanding beyond the local area to include the United Kingdom and Europe, North and South America. This will include the location and characteristics of a range of the world's most significant human and physical features. They should develop their use of geographical knowledge, understanding and skills to enhance their locational and place knowledge. Pupils should be taught to: Locational knowledge locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features	Pupils should continue to develop a chronologically secure knowledge and understanding of British, local and world history, establishing clear narratives within and across the periods they study. They should note connections, contrasts and trends over time and develop the appropriate use of historical terms. They should regularly address and sometimes devise historically valid questions about change, cause, similarity and difference, and significance. They should construct informed responses that involve thoughtful selection and organisation of relevant historical information. They should understand how our knowledge of the past is constructed from a range of sources. In planning to ensure the progression described above	Pupils should be taught to: Ilisten attentively to spoken language and show understanding by joining in and responding Explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words Engage in conversations; ask and answer questions; express opinions and respond to those of others;	Pupils should be taught to: play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression 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	Pupils should be taught to: use running, jumping, throwing and catching in isolation and in combination play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics]

artists, opportunities	ey communicate	(including hills,	through teaching the	seek	high-quality live	 perform dances
architects and offer for	their ideas	mountains, coasts and	British, local and	clarification	and recorded	using a range
designers in communication		rivers), and land-use	world history outlined	and help*	music drawn	of movement
history. collaboration	discussion,	patterns; and	below, teachers		from different	patterns
Thotory.	annotated	understand how some	should combine	speak in	traditions and	
use search	sketches, cross-		overview and depth	sentences,	from great	 take part in
technologies	sectional and	changed over time	studies to help pupils	using	composers and	outdoor and
effectively,	exploded		understand both the long arc of	familiar	musicians	adventurous
appreciate ho	diagrams,	 identify the position and 	development and the	vocabulary,		activity
results are se	cted prototypes	significance of latitude,	complexity of specific	phrases	develop an	challenges
and ranked, a	pattern pieces	longitude, Equator,	aspects of the	and basic	understanding	both
discerning in	and computer-	Northern Hemisphere,	content.	language	of the history of	individually and
evaluating di	al aided design	Southern Hemisphere,	Pupils should be	structures	music.	within a team
content	3	the Tropics of Cancer	taught about:	develop		 compare their
select, use a	Make	and Capricorn, Arctic	 changes in 	accurate		performances
combine a va		and Antarctic Circle, the	Britain from the	pronunciati		with previous
of software	use a wider	Prime/Greenwich	Stone Age to	on and		ones and
(including into	et range of tools	Meridian and time	the Iron Age	intonation		demonstrate
services) on	and equipment	zones (including day	the Roman	so that		improvement to
range of digit	to perform	and night)	Empire and its	others		achieve their
devices to de	n practical tasks		impact on	understand		personal best.
and create a	nge [for example,	Place knowledge	Britain	when they		·
of programs,	cutting, shaping,	 understand geographical similarities 	Dillain	are reading		
systems and	joining and	and differences through	 Britain's 	aloud or		
content that	finishing],	the study of human and	settlement by	using		
accomplish g	n accurately	physical geography of a	Anglo-Saxons	familiar		
goals, includi	select from and	region of the United	and Scots	words and		
collecting,	use a wider	Kingdom, a region in a	 the Viking and 	phrases*		
analysing,	range of	European country, and	Anglo-Saxon	- procent		
evaluating ar	materials and	a region within North or	struggle for the	present ideas and		
presenting da	components,	South America	Kingdom of	information		
and informati	including	Godin / interior	England to the	orally to a		
■ use technolo	construction	Human and physical	time of Edward	range of		
safely, respe		geography	the Confessor	audiences*		
and responsi	· .	describe and		addictioes		
recognise	ingredients,	understand key aspects	 a local history 	read		
acceptable/u		of:	study	carefully		
ptable behav	500	physical	a study of an	and show		
identify a ran		geography,	aspect or	understandi		
		goography,	aspect of	ng of		

200/	cerns about qualities	climate zones,		history that		words,	
	ent and	biomes and		extends pupils'		phrases	
						•	
cont	Evaluate investigate and	vegetation		chronological		and simple	
		belts, rivers,		knowledge		writing	
	analyse a range			beyond 1066		appreciate	
	of existing	volcanoes and		the		stories,	
	products	earthquakes,		achievements		songs,	
	 evaluate their 	and the water		of the earliest		poems and	
	ideas and	cycle		civilizations -		rhymes in	
	products	human		an overview of		the	
	against their	geography,		where and		language	
	own design	including: types		when the first		99.	
	criteria and	of settlement		civilizations	•	broaden	
	consider the	and land use,		appeared and a		their	
	views of others	economic		depth study of		vocabulary	
	to improve their	activity		one of the		and	
	work	including trade		following:		develop	
		links, and the		Ancient Sumer;		their ability	
	understand how	distribution of		The Indus		to	
	key events and	natural		Valley; Ancient		understand	
	individuals in	resources		Egypt; The		new words	
	design and	including		Shang Dynasty		that are	
	technology have	energy, food,		of Ancient		introduced	
	helped shape	minerals and		China		into familiar	
	the world	water		Cillia		written	
		1		A		material,	
	Technical knowledge	Geographical skills and	•	Ancient Greece		including	
	 apply their 	fieldwork		– a study of		through	
	understanding	use maps, atlases,		Greek life and		using a	
	of how to	globes and		achievements		dictionary	
	strengthen,	digital/computer		and their		-	
	stiffen and	mapping to locate		influence on	•	write	
	reinforce more	countries and describe		the western		phrases	
	complex	features studied		world		from	
	structures					memory,	
		use the eight points of a	•	a non-		and adapt	
	 understand and 	compass, four and six-		European		these to	
	use mechanical	figure grid references,		society that		create new	
	systems in their	symbols and key		provides		sentences,	
	products [for	(including the use of		contrasts with		to express	
i	example, gears,	Ordnance Survey	1	British history -	l	ideas	

			 	
pulleys, cams,	maps) to build their	one study	clearly	
levers and	knowledge of the	chosen from:	 describe 	
linkages]	United Kingdom and	early Islamic	people,	
 understand and 	the wider world	civilization,	places,	
use electrical	use fieldwork to observe,	including a	things and	
systems in their	measure, record and present	study of	actions	
	the human and physical	Baghdad c. AD	orally* and	
products [for	features in the local area	900; Mayan		
example, series		civilization c.	in writing	
circuits	using a range of methods,	AD 900; Benin	understand	
incorporating	including sketch maps, plans	(West Africa) c.	basic	
switches, bulbs,	and graphs, and digital	AD 900-1300.	grammar	
buzzers and	technologies.		appropriate	
motors]			to the	
apply their			language	
understanding			being	
of computing to			studied,	
program,			including	
monitor and			(where	
control their			relevant):	
products.			feminine,	
products.			masculine	
Cooking and nutrition			and neuter	
Cooking and natifical			forms and	
			the	
 understand and 			conjugation	
apply the			of high-	
principles of a			frequency	
healthy and			verbs; key	
varied diet			features	
 prepare and 			and	
cook a variety of				
predominantly			patterns of the	
savoury dishes				
using a range of			language; how to	
cooking				
techniques			apply	
			these, for	
understand			instance, to	
seasonality, and			build	
know where and			sentences;	

how a variety of ingredients are grown, reared, caught and processed.		and how these differ from or are similar to English.	
		The starred (*) content above will not be applicable to ancient languages.	