



Horningsham Primary School Curriculum Overview Owls Cycle A



Principles

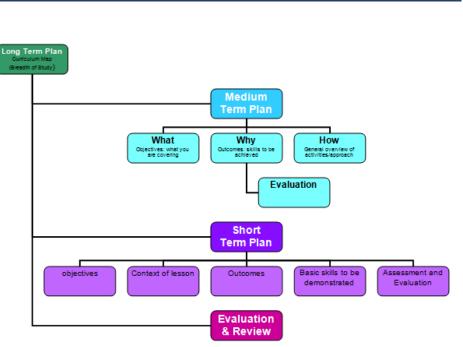
After a review of our current provision, the trend in standards we achieve at the end of KS1 and KS2 and the statutory requirements of the National Curriculum 2014, we have refined and enhanced the curriculum with the overall aim of enabling

- real opportunities for learning
- engaging and enjoyable learning
- high academic and personal achievement
- manageable, creative and exciting teaching opportunities

Our curriculum map ensures that all aspects of the National Curriculum are covered, whilst at the same time not being overloaded with content so that deep learning is possible and outcomes are focussed on skills, application of skills and knowledge, skills and understanding.

The curriculum map serves to provide teachers with subject based focus areas from the National Curriculum. Staff can then identify the key skills to focus on for each curriculum area at appropriate levels for the children in their class. The Overview for each class has been planned to enable teachers to combine subjects together in a cross curricular and meaningful way to make teaching and learning fun, vibrant, challenging and meaningful. Thematic based learning is now possible and practical for delivering the curriculum.

There is a two year rolling programme for Woodpeckers and three year programme for Owls. Robins will operate a one year rolling programme (except for RE, which will be a two year rolling programme). Using these, staff will create a year overview set into three terms with all areas of study indicated (teachers have the flexibility to move focus areas to facilitate their vision for thematic learning).



- The following overviews provide the Long Term Map and breadth of study across the curriculum.
- Medium term plans are produced using an agreed format, identifying clearly the development of learning and integration of different subjects for a thematic approach. These are all shared and saved on our shared drive.
- Short term plans are organised by the staff using a format that serves this purpose most effectively for them. The same format is used for mathematics as children are organised into sets.

Planning

Science

Y6 Evolution and inheritance

- 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.

Y5 Properties and changes of materials

- · compare and group together everyday materials on the basis of their properties including their hardness solubility transparency. conductivity (electrical and thermal), and response to magnets
- know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution use knowledge of solids, liquids and gases to decide how mixtures
- might be separated, including through filtering, sieving and evaporating give reasons, based on evidence from comparative and fair tests, for
- the particular uses of everyday materials, including metals, wood and
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.

Geography

- 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 (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time
- identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

Place knowledge

understand geographical similarities and differences through the study of human and physical geography of a region within North or South America

Computing

Y4 Animals, including humans

- describe the simple functions of the basic parts of the digestive system in humans
 - identify the different types of teeth in humans and their simple functions
 - construct and interpret a variety of food chains, identifying producers, predators and prey.

Y4 Living things and their habitats

- recognise that living things can be grouped in a varietvof ways explore and use classification keys to help group,
- identify and name a variety of living things in their local and wider environment · recognise that environments can change and that this can
- sometimes pose dangers to living things.

Y6 Living things and their habitats

 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

give reasons for classifying plants and animals based on specific characteristics

Design and Technology

music.

of music

notations

Music

play and perform in solo and ensemble

musical instruments with increasing

listen with attention to detail and recall

sounds with increasing aural memory

use and understand staff and other musical

appreciate and understand a wide range of

high-quality live and recorded music drawn

from different traditions and from great

develop an understanding of the history of

composers and musicians

contexts, using their voices and playing

accuracy, fluency, control and expression

improvise and compose music for a range of

purposes using the inter-related dimensions

Design

animals

- functional, appealing products that are fit for purpose, aimed at particular individuals or groups generate, develop, model and communicate their ideas through discussion, annotated sketches
- cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make
 - select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately
 - select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities Evaluate

- investigate and analyse a range of existing products
 evaluate their ideas and products against their own design criteria and consider the views or
- others to improve their work understand how key events and individuals in design and technology have helped shape the

Technical knowledge

world

- apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]
- understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]
- apply their understanding of computing to program, monitor and control their products.
- Cooking and nutrition
- understand and apply the principles of a healthy and varied diet

Foreign Languages

- present ideas and information orally to a range of
- read carefully and show understanding of words,
- phrases and simple writing
- appreciate stories, songs, poems and rhymes in the language
 - broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary
- write phrases from memory, and adapt these to create new sentences, to express ideas clearly describe people, places, things and actions orally* and in writing
- understand basic grammar appropriate to the language being studied, including (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs; key features and patterns of the language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English.

Art and Design

- create sketch books to record their observations and use them to review and revisit ideas
- improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clav]
- 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.
- learn about great artists, architects and designers in history.

RE

Symbols & Religious Expression

Explore how art, architecture and poetry express religious beliefs & ideas. Christianity, Hinduism, Islam.

Inspirational People

Explore how and why people follow religious leaders. Christianity, Islam and Sikhism,

Worship, Pilgrimage and Sacred Places

Explore where, how and why people worship. Importance of pilgrimage to religious believers. Christianity, Islam, Hinduism and Sikhism.

PE

- Swimming, athletics, netball, football, dance,
- 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]
- perform dances using a range of movement patterns
- take part in outdoor and adventurous activity challenges both individually and within a team compare their performances with previous ones and
- demonstrate improvement to achieve their personal best.
- swim competently, confidently and proficiently over a distance of at least 25 metres
- use a range of strokes effectively [for example, front crawl, backstroke and breaststroke
- · perform safe self-rescue in different water-based situations.

History

Britain's settlement by Anglo-Saxons and Scots, e.g. • Roman withdrawal from Britain in c. AD 410 and the fall of the

- western Roman Empire
 Scots invasions from Ireland to north Britain (now Scotland) Anglo-Saxon invasions, settlements and kingdoms; place
- names and village life Anglo-Saxon art and culture

Christian conversion - Canterbury, Iona and Lindisfarne

The Viking and Anglo-Saxon struggle for the Kingdom of. England to the time of Edward the Confessor, e.g

- Viking raids and invasion
- o resistance by Alfred the Great and Athelstan, first king of England
- o further Viking invasions and Danegeld
- Anglo-Saxon laws and justice
- o Edward the Confessor and his death in 1066

A non-European society that provides contrasts with British history - one study chosen from: early Islamic civilization, including a study of Baghdad c. AD 900; Mayan civilization c. AD 900: Benin (West Africa) c. AD 900-1300.

Together we learn

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Cycle

Science

		A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics.
Purpose of study	•	Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science.
	•	Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational
		explanation and develop a sense of excitement and curiosity about natural phenomena.
	•	They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

		Th	The national curriculum for science aims to ensure that all pupils:	
	Aires	•	develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics	
Aims develop understanding of the nature, processes and methods of science through different types of science enquiries that he		develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer		
			scientific questions about the world around them	
		are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.		

	• 'Working scientifically' specifies the understanding of the nature, processes and methods of science for each year group.
	It should not be taught as a separate strand.
The nature,	• The notes and guidance give examples of how 'working scientifically' might be embedded within the content of biology, chemistry and physics,
processes and	focusing on the key features of scientific enquiry, so that pupils learn to use a variety of approaches to answer relevant scientific questions.
methods of	• These types of scientific enquiry should include: observing over time; pattern seeking; identifying, classifying and grouping; comparative and fair
science	testing (controlled investigations); and researching using secondary sources.
	Pupils should seek answers to questions through collecting, analysing and presenting data.
	• 'Working scientifically' will be developed further at key stages 3 and 4, once pupils have built up sufficient understanding of science to engage
	meaningfully in more sophisticated discussion of experimental design and control.

Spoken language	 The national curriculum for science reflects the importance of spoken language in pupils' development across the whole curriculum – cognitively, socially and linguistically. The quality and variety of language that pupils hear and speak are key factors in developing their scientific vocabulary and articulating scientific concepts clearly and precisely. They must be assisted in making their thinking clear, both to themselves and others, and teachers should ensure that pupils build secure foundations by using discussion to probe and remedy their misconceptions.
School curriculum	 The programmes of study for science are set out year-by-year for key stages 1 and 2. Schools are, however, only required to teach the relevant programme of study by the end of the key stage. Within each key stage, schools therefore have the flexibility to introduce content earlier or later than set out in the programme of study. In addition, ask ask as introduces have the gramme of study are programme of study.
	 schools can introduce key stage content during an earlier key stage if appropriate. All schools are also required to set out their school curriculum for science on a year-by-year basis and make this information available online.

Attainment
targetsBy the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme
of study. Schools are not required by law to teach the content indicated as being 'non-statutory'.

Lower Key Stage 2 Focus	Upper Key Stage 2 Focus
 The principal focus of science teaching in lower key stage 2 is to enable pupils to broaden their scientific view of the world around them. They should do this through exploring, talking about, testing and developing ideas about everyday phenomena and the relationships between living things and familiar environments, and by beginning to develop their ideas about functions, relationships and interactions. They should ask their own questions about what they observe and make some decisions about which types of scientific enquiry are likely to be the best ways of answering them, including observing changes over time, noticing patterns, grouping and classifying things, carrying out simple comparative and fair tests and finding things out using secondary sources of information. They should draw simple conclusions and use some scientific language, first, to talk about and, later, to write about what they have found out. 'Working scientifically' is described separately at the beginning of the programme of study, but must always be taught through and clearly related to substantive science content in the programme of study. Throughout the notes and guidance, examples show how scientific methods and skills might be linked to specific elements of the content. Pupils should read and spell scientific vocabulary correctly and with confidence, using their growing word reading and spelling knowledge. 	 The principal focus of science teaching in upper key stage 2 is to enable pupils to develop a deeper understanding of a wide range of scientific ideas. They should do this through exploring and talking about their ideas; asking their own questions about scientific phenomena; and analysing functions, relationships and interactions more systematically. At upper key stage 2, they should encounter more abstract ideas and begin to recognise how these ideas help them to understand and predict how the world operates. They should also begin to recognise that scientific ideas change and develop over time. They should select the most appropriate ways to answer science questions using different types of scientific enquiry, including observing changes over different periods of time, noticing patterns, grouping and classifying things, carrying out comparative and fair tests and finding things out using a wide range of secondary sources of information. Pupils should draw conclusions based on their data and observations, use evidence to justify their ideas, and use their scientific knowledge and understanding to explain their findings. 'Working and thinking scientifically' is described separately at the beginning of the programme of study, but must always be taught through and clearly related to substantive science content in the programme of study. Throughout the notes and guidance, examples show how scientific methods and skills might be linked to specific elements of the content. Pupils should read, spell and pronounce scientific vocabulary correctly.

Working Scientifcally			
Lower KS2 Statutory Requirements	Upper KS2 Statutory Requirements		
 During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content: asking relevant questions and using different types of scientific enquiries to answer them setting up simple practical enquiries, comparative and fair tests making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers gathering, recording, classifying and presenting data in a variety of ways to help in answering questions recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions, make predictions for new values, suggest improvements and raise further questions using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions identifying differences, similarities or changes related to simple scientific ideas and processes 	 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 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 		
 using straightforward scientific evidence to answer questions or to support their findings. Notes and guidance (non statutory) 	arguments. Notes and guidance (non statutory)		
 Pupils in years 3 and 4 should be given a range of scientific experiences to enable them to raise their own questions about the world around them. They should start to make their own decisions about the most appropriate type of scientific enquiry they might use to answer questions; recognise when a simple fair test is necessary and help to decide how to set it up; talk about criteria for grouping, sorting and classifying; and use simple keys. They should begin to look for naturally occurring patterns and relationships and decide what data to collect to identify them. They should help to make decisions about what observations to make, how long to make them for and the type of simple equipment that might be used. They should learn how to use new equipment, such as data loggers, appropriately. They should collect data from their own observations and measurements, using notes, simple tables and standard units, and help to make decisions about how to record and analyse this data. With help, pupils should look for changes, patterns, similarities and differences in their data in order to draw simple conclusions and answer questions. With support, they should identify new questions arising from the data, making predictions for new values within or beyond the data they have collected and finding ways of improving what they have already done. They should also recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations. Pupils should use relevant scientific language to discuss their ideas and communicate their findings 	 Pupils in years 5 and 6 should use their science experiences to: explore ideas and raise different kinds of questions; select and plan the most appropriate type of scientific enquiry to use to answer scientific questions; recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why. They should use and develop keys and other information records to identify, classify and describe living things and materials, and identify patterns that might be found in the natural environment. They should make their own decisions about what observations to make, what measurements to use and how long to make them for, and whether to repeat them; choose the most appropriate equipment to make measurements and explain how to use it accurately. They should decide how to record data from a choice of familiar approaches; look for different causal relationships in their data and identify evidence that refutes or supports their ideas. They should use their results to identify when further tests and observations might be needed; recognise which secondary sources will be most useful to research their ideas and begin to separate opinion from fact. They should use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas and should talk about how scientific ideas have developed over time. 		
• They should also recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations.	communicate and justify their scientific ideas and should talk about how		

Y4 Living things and their habitats		
Statutory Requirements	Notes and guidance (non statutory)	
 Pupils should be taught to: recognise that living things can be grouped in a variety of ways explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment recognise that environments can change and that this can sometimes pose dangers to living things. 	 Pupils should use the local environment throughout the year to raise and answer questions that help them to identify and study plants and animals in their habitat. They should identify how the habitat changes throughout the year. Pupils should explore possible ways of grouping a wide selection of living things that include animals and flowering plants and non-flowering plants. Pupils could begin to put vertebrate animals into groups such as fish, amphibians, reptiles, birds, and mammals; and invertebrates into snails and slugs, worms, spiders, and insects. Note: Plants can be grouped into categories such as flowering plants (including grasses) and non-flowering plants, such as ferns and mosses. Pupils should explore examples of human impact (both positive and negative) on environments, for example, the positive effects of nature reserves, ecologically planned parks, or garden ponds, and the negative effects of population and development, litter or deforestation. Pupils might work scientifically by: using and making simple guides or keys to explore and identify local plants and animals; making a guide to local living things; raising and answering questions based on their observations of animals and what they have found out about other animals that they have researched. 	

Y4 Animals, including humans		
Statutory Requirements	Notes and guidance (non statutory)	
 Pupils should be taught to: describe the simple functions of the basic parts of the digestive system in humans identify the different types of teeth in humans and their simple functions construct and interpret a variety of food chains, identifying producers, predators and prey. 	 Pupils should be introduced to the main body parts associated with the digestive system, for example, mouth, tongue, teeth, oesophagus, stomach and small and large intestine and explore questions that help them to understand their special functions. Pupils might work scientifically by: comparing the teeth of carnivores and herbivores, and suggesting reasons for differences; finding out what damages teeth and how to look after them. They might draw and discuss their ideas about the digestive system and compare them with models or images. 	

Y5 Properties and changes of materials		
Statutory Requirements	Notes and guidance (non statutory)	
 Pupils should be taught to: compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic demonstrate that dissolving, mixing and changes of state are reversible changes explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. 	 Pupils should build a more systematic understanding of materials by exploring and comparing the properties of a broad range of materials, including relating these to what they learnt about magnetism in year 3 and about electricity in year 4. They should explore reversible changes, including, evaporating, filtering, sieving, melting and dissolving, recognising that melting and dissolving are different processes. Pupils should explore changes that are difficult to reverse, for example, burning, rusting and other reactions, for example, vinegar with bicarbonate of soda. They should find out about how chemists create new materials, for example, Spencer Silver, who invented the glue for sticky notes or Ruth Benerito, who invented wrinkle-free cotton. Note: Pupils are not required to make quantitative measurements about conductivity and insulation at this stage. It is sufficient for them to observe that some conductors will produce a brighter bulb in a circuit than others and that some materials will feel hotter than others when a heat source is placed against them. Safety guidelines should be followed when burning materials. Pupils might work scientifically by: carrying out tests to answer questions, for example, 'Which materials would be the most effective for making a warm jacket, for wrapping ice cream to stop it melting, or for making blackout curtains?' They might compare materials in order to make a switch in a circuit. They might research and discuss how chemical changes have an impact on our lives, for example, cooking, and discuss the creative use of new materials such as polymers, super-sticky and super-thin materials. 	

Y6 Living things and their habitats		
Statutory Requirements	Notes and guidance (non statutory)	
 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 build on their learning about grouping living things in year 4 by looking at the classification system in more detail. They should be introduced to the idea that broad groupings, such as micro-organisms, plants and animals can be subdivided. Through direct observations where possible, they should classify animals into commonly found invertebrates (such as insects, spiders, snails, worms) and vertebrates (fish, amphibians, reptiles, birds and mammals). They should discuss reasons why living things are placed in one group and not another. Pupils might find out about the significance of the work of scientists such as Carl Linnaeus, a pioneer of classification. Pupils might work scientifically by: using classification systems and keys to identify some animals and plants in the immediate environment. They could research unfamiliar animals and plants from a broad range of other habitats and decide where they belong in the classification system. 	

Y6 Evolution and inheritance		
 Y6 Evolution and inheritance Statutory Requirements 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. 	 Notes and guidance (non statutory) Building on what they learned about fossils in the topic on rocks in year 3, pupils should find out more about how living things on earth have changed over time. They should be introduced to the idea that characteristics are passed from parents to their offspring, for instance by considering different breeds of dogs, and what happens when, for example, labradors are crossed with poodles. They should also appreciate that variation in offspring over time can make animals more or less able to survive in particular environments, for example, by exploring how giraffes' necks got longer, or the development of insulating fur on the arctic fox. Pupils might find out about the work of palaeontologists such as Mary Anning and about how Charles Darwin and Alfred Wallace developed their ideas on evolution. Note: At this stage, pupils are not expected to understand how genes and chromosomes work. Pupils might work scientifically by: observing and raising questions about local animals and how they are adapted to their environment; comparing how some living things are adapted to survive in extreme conditions, for example, cactuses, penguins and camels. 	
	 They might analyse the advantages and disadvantages of specific adaptations, such as being on two feet rather than four, having a long or a short beak, having gills or lungs, tendrils on climbing plants, brightly coloured and scented flowers. 	

Computing						
Purpose of study	Aims					
 A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world. 	 The national curriculum for computing aims to ensure that all pupils: can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and dat representation can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology. 					
Subject Content: Key Stage 2 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 servic communication and collaboration	ces, such as the world wide web; and the opportunities they offer for					
 use search technologies effectively, appreciate how results are selected and ranked, and be select, use and combine a variety of software (including internet services) on a range of digi that accomplish given goals, including collecting, analysing, evaluating and presenting data a use technology safely, respectfully and responsibly; recognise acceptable/unacceptable beh contact. 	tal devices to design and create a range of programs, systems and content and information					
Attainment targetsBy the end of each key stage, pupils are expected to know, apply and understand to Schools are not required by law to teach the example content	he matters, skills and processes specified in the relevant programme of study.					

Design and Technology					
Purpose of study					
 Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation. 	 increasingly technological world build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users critique, evaluate and test their ideas and products and the work of others understand and apply the principles of nutrition and learn how to cook 				
Subject Conten	nt: Key Stage 2				
 Through a variety of creative and practical activities, pupils should be taught the know in an iterative process of designing and making. They should work in a range of releval 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, functi aimed at particular individuals or groups generate, develop, model and communicate their ideas through discussion, annot diagrams, prototypes, pattern pieces and computer-aided design Make select from and use a wider range of tools and equipment to perform practical tas finishing], accurately select from and use a wider range of materials and components, including construt to their functional properties and aesthetic qualities Evaluate investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the understand how key events and individuals in design and technology have helped Technical knowledge apply their understanding of how to strengthen, stiffen and reinforce more comple understand and use electrical systems in their products [for example, gears, pul] 	nt contexts [for example, the home, school, leisure, ional, appealing products that are fit for purpose, rated sketches, cross-sectional and exploded sks [for example, cutting, shaping, joining and action materials, textiles and ingredients, according he views of others to improve their work shape the world ex structures leys, cams, levers and linkages] ts incorporating switches, bulbs, buzzers and	Cooking and nutrition As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life. • understand and apply the principles of a healthy and varied diet <u>Attainment targets</u> By the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study. Schools are not required by law to teach the			

Purpose of study	Aims
 A high-quality geography education should inspire in pupils a curiosity and fascination about the world and its people that will remain with them for the rest of their lives. Teaching should equip pupils with knowledge about diverse places, people, resources and natural and human environments, together with a deep understanding of the Earth's key physical and human processes. As pupils progress, their growing knowledge about the world should help them to deepen their understanding of the interaction between physical and human processes, and of the formation and use of landscapes and environments. Geographical knowledge, understanding and skills provide the frameworks and approaches that explain how the Earth's features at different scales are shaped, interconnected and change over time. 	 The national curriculum for geography aims to ensure that all pupils: develop contextual knowledge of the location of globally significant places – both terrestrial and marine – including their defining physical and human characteristics and how these provide a geographical context for understanding the actions of processes understand the processes that give rise to key physical and human geographical features of the world, how these are interdependent and how they bring about spatial variation and change over time are competent in the geographical skills needed to: collect, analyse and communicate with a range of data gathered through experiences of fieldwork that deepen their understanding of geographical processes interpret a range of sources of geographical information, including maps, diagrams, globes, aerial photographs and Geographical Information Systems (GIS) communicate geographical information in a variety of ways, including through maps, numerical and quantitative skills and writing at length.
Sub	ject Content: Key Stage 2
	l area to include the United Kingdom and Europe, North and South America. This will include t an and physical features. They should develop their use of geographical 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 (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time
- identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

Place knowledge

• understand geographical similarities and differences through the study of human and physical geography of a region within North or South America

Attainment
targetsBy the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study.Schools are not required by law to teach the example content

	History		
Purpose of study	Aims		
 A high-quality history education will help pupils gain a coherent knowledge and understanding of Britain's past and that of the wider world. It should inspire pupils' curiosity to know more about the past. Teaching should equip pupils to ask perceptive questions, think critically, weigh evidence, sift arguments, and develop perspective and judgement. History helps pupils to understand the complexity of people's lives, the process of change, the diversity of societies and relationships between different groups, as well as their own identity and the challenges of their time. 	 The national curriculum for history aims to ensure that all pupils: know and understand the history of these islands as a coherent, chronological narrative, from the earliest times to the present day: how people's lives have shaped this nation and how Britain has influenced and been influenced by the wider world know and understand significant aspects of the history of the wider world: the nature of ancient civilisations; the expansion and dissolution of empires; characteristic features of past non-European societies; achievements and follies of mankind gain and deploy a historically grounded understanding of abstract terms such as 'empire', 'civilisation', 'parliament' and 'peasantry' understand historical concepts such as continuity and change, cause and consequence, similarity, difference and significance, and use them to make connections, draw contrasts, analyse trends, frame historically-valid questions and create their own structured accounts, including written narratives and analyses understand the methods of historical enquiry, including how evidence is used rigorously to make historical claims, and discern how and why contrasting arguments and interpretations of the past have been constructed gain historical perspective by placing their growing knowledge into different contexts, understanding the connections between local, regional, national and international history; between cultural, economic, military, political, religious and 		
	social history; and between short- and long-term timescales. Subject Content: Key Stage 2		
 Britain's settlement by Anglo-Saxons and Scots e.g Roman withdrawal from Britain in c. AD 410 and the Empire Scots invasions from Ireland to north Britain (now Sc Anglo-Saxon invasions, settlements and kingdoms: p Anglo-Saxon art and culture Christian conversion – Canterbury, Iona and Lindisfan The Viking and Anglo-Saxon struggle for the Kingdom or Edward the Confessor e.g Viking raids and invasion resistance by Alfred the Great and Athelstan, first kir further Viking invasions and Danegeld Anglo-Saxon laws and justice Edward the Confessor and his death in 1066 A non-European society that provides contrasts with Br one study chosen from: early Islamic civilization, includin AD 900; Mayan civilization c. AD 900; Benin (West Africa)	 fall of the western Roman 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 through teaching the British, local and world history outlined below, teachers should combine overview and depth studies to help pupils understand both the long arc of development and the complexity of specific aspects of the content. 		

Foreign Languages			
Purpose of study	Aims		
 Learning a foreign language is a liberation from insularity and provide opening to other cultures. A high-quality languages education should foster pupils' curiosity and their understanding of the world. The teaching should enable pupils to express their ideas and though language and to understand and respond to its speakers, both in spewriting. It should also provide opportunities for them to communicate for pupurposes, learn new ways of thinking and read great literature in the language. Language teaching should provide the foundation for learning further equipping pupils to study and work in other countries. 	 understand and respond to spoken and written language from a variety of authentic sources speak with increasing confidence, fluency and spontaneity, finding ways of communicating what they want to say, including through discussion and askin questions, and continually improving the accuracy of their pronunciation and intonation can write at varying length, for different purposes and audiences, using the variety of grammatical structures that they have learnt discover and develop an appreciation of a range of writing in the language 		
Subj	ect Content: Upper Key Stage2		
 Pupils should be taught to: present ideas and information orally to a range of audiences* read carefully and show understanding of words, phrases and simple writing appreciate stories, songs, poems and rhymes in the language broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary write phrases from memory, and adapt these to create new sentences, to express ideas clearly describe people, places, things and actions orally* and in writing understand basic grammar appropriate to the language being studied, including (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs; key features and patterns of the language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English. 	key stage 3.		

	Art and Design							
	Purpose of study Aims							
 A high-quality a pupils, equippir create their ow As pupils prograding rigorous unders They should also a strength of the strength of the strength of the should also a strength of the strength of	lesign embody some of the highest forms of human creativity. art and design education should engage, inspire and challenge ng them with the knowledge and skills to experiment, invent and on works of art, craft and design. ress, they should be able to think critically and develop a more standing of art and design. so know how art and design both reflect and shape our history, to the culture, creativity and wealth of our nation.	 become proficient in drawing, painting, sculpture and other art, craft and design techniques evaluate and analyse creative works using the language of art, craft and design know about great artists, craft makers and designers, and understand the 						
	Subject Conten	t: Key Stage 2						
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. create sketch books to record their observations and use them to review and revisit ideas 								
 improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [e.g. pencil, charcoal, paint, clay] 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. 								

Music						
Purpose of study Aims						
 Music is a universal language that embodies one of the highest forms of creativity. A high-quality music education should engage and inspire pupils to develop a love of music and their talent as musicians, and so increase their self-confidence, creativity and sense of achievement. As pupils progress, they should develop a critical engagement with music, allowing them to compose, and to listen with discrimination to the best in the musical canon. 	 The national curriculum for music aims to ensure that all pupils: perform, listen to, review and evaluate music across a range of historical periods, genres, styles and traditions, including the works of the great composers and musicians learn to sing and to use their voices, to create and compose music on their own and with others, have the opportunity to learn a musical instrument, use technology appropriately and have the opportunity to progress to the next level of musical excellence understand and explore how music is created, produced and communicated, including through the inter-related dimensions: pitch, duration, dynamics, tempo, timbre, texture, structure and appropriate musical notations. 					
Subj	Subject Content: Key Stage 2					
 Pupils should be taught to sing and play musically with increasing confidence and control. They should develop an understanding of musical composition, organising and manipulating ideas within musical structures and reproducing sounds from aural memory. 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 high-quality live and recorded music drawn from different traditions and from great composers and musicians 						
 develop an understanding of the history of music. 						
Attainment By the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study. targets Schools are not required by law to teach the example content						

PE					
Purpose of study	;				
 A high-quality physical education curriculum inspires all pupils to succeed and excel in competitive sport and other physically-demanding activities. It should provide opportunities for pupils to become physically confident in a way which supports their health and fitness. Opportunities to compete in sport and other activities build character and help to embed values such as fairness and respect. 	tion aims to ensure that all pupils: d range of physical activities ods of time ities				
Subject Content: Key Stage 2		Sports to cover			
embed values such as fairness and respect. Sports to cover Subject Content: Key Stage 2 Sports to cover Pupils should continue to apply and develop a broader range of skills, learning how to use them in different ways and to link them swimming to make actions and sequences of movement. They should enjoy communicating, collaborating and competing with each other. athletics They should develop an understanding of how to improve in different physical activities and sports and learn how to evaluate and recognise their own success. Pupils should be taught to: use running, jumping, throwing and catching in isolation and in combination hockey to use running, jumping, throwing and catching in isolation and in combination hockey tennis ouderload tenis], and apply basic principles suitable for attacking and defending cricket / rounders develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics] cricket / rounders e take part in outdoor and adventurous activity challenges both individually and within a team compare their performances with previous ones and demonstrate improvement to achieve their personal best. Swimming and water safety All schools must provide swimming instruction either in key stage 1 or key stage 2. In particular, pupils should be taught to: swim competently, confidently and proficiently over a distance of at least 25 metres					
Attainment targetsBy the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study.Schools are not required by law to teach the example content					

KS2 Wiltshire RE Syllabus

RE

Principal Aim of RE

To engage pupils in enquiring into key questions arising from study of religion and belief, so as to promote their personal and spiritual development.

Focus statement

During Key Stage 2 pupils should begin to engage in a more systematic study of religion whilst at the same time reflecting on their own beliefs, values and questions in light of what they are learning. Pupils should study Christianity throughout the four years and also aspects of at least two other principal religions covering Western and Eastern traditions. They should begin to recognise the impact of religion and belief locally, nationally and globally and consider the different forms of religious expression. Pupils should

- consider the beliefs, teachings, practices and ways of life central to religion learn about sacred texts and other sources and consider their meanings begin to recognise diversity in religion, learning about similarities and
- differences both within and between Religions and Beliefs, and the importance
- of dialogue between them
- extend the range and use of specialist vocabulary
- recognise the challenges involved in distinguishing between ideas of right and wrong, and valuing what is good and true
- communicate their ideas, recognising other people's viewpoints
- consider their own beliefs and values and those of others in the light of their learning in religious education

		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Cycle A	Theme	Symbols & Religious Expression		Inspirational People		Worship, Pilgrimage and Sacred Places	
	Key Question	How do art, architecture and poetry express religious beliefs and ideas?		How does a Christian follow Jesus? Who was Muhammad/Guru Nanak? Why and how do people follow these leaders?		Where, how and why do people worship? Why is pilgrimage important to some religious believers?	
	Religious Focus	Christianity, Hinduism, Islam KS2 Unit 7		••	am and Sikhism Discovery RE: Y4 Summer 2)	Christianity, Islam, Hinduism and Sikhism Key Stage 2 Units 8 and 9 (Discovery RE: Y4 Summer 1+2, Autumn 1+2, Y5 Summer 1+2)	
	Outcome	Begin to explain and identify how art, architecture and poetry convey religious beliefs. Begin to express their beliefs in this way.		Identify what they admire in religious	people and why. Identify key s heroes.	Describe the importance of different types of symbols a worship to believers, including pilgrimage.	