#### LINGDALE PRIMARY SCHOOL

# YEAR 3 & 4 CURRICULUM OVERVIEW 2018 - 2019

### **AUTUMN TERM – Stone Age**

#### Year 3 - Rocks

Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties

Describe in simple terms how fossils are formed when things that have lived are trapped within rock

Recognise that soils are made from rocks and organic matter.

Linked with work in geography, pupils should explore different kinds of rocks and soils, including those in the local environment.

Pupils might work scientifically by: observing rocks, including those used in buildings and gravestones, and exploring how and why they might have changed over time; using a hand lens or microscope to help them to identify and classify rocks according to whether they have grains or crystals, and whether they have fossils in them. Pupils might research and discuss the different kinds of living things whose fossils are found in sedimentary rock and explore how fossils are formed. Pupils could explore different soils and identify similarities and differences between them and investigate what happens when rocks are rubbed together or what changes occur when they are in water. They can raise and answer questions about the way soils are formed.

#### Year 4 - States of Matter

Compare and group materials together, according to whether they are solids, liquids or gases

Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)

Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Pupils should explore a variety of everyday materials and develop simple descriptions of the states of matter (solids hold their shape; liquids form a pool not a pile; gases escape from an unsealed container). Pupils should observe water as a solid, a liquid and a gas and should note the changes to water when it is heated or cooled.

Note: Teachers should avoid using materials where heating is associated with chemical change, for example, through baking or burning. Pupils might work scientifically by: grouping and classifying a variety of different materials; exploring the effect of temperature on substances such as chocolate, butter, cream (for example, to make food such as chocolate crispy cakes and ice-cream for a party). They could research the temperature at which materials change state, for example, when iron melts or when oxygen condenses into a liquid. They might observe and record evaporation over a period of time, for example, a puddle in the playground or washing on a line, and investigate the effect of temperature on washing drying or snowmen melting.

Science

	Year 3 - Word processing:	Year 4 - Word processing:
	I can use cut, copy and paste to reorder content	I can use different layouts and effects (such as text box, columns, tables,
	I can use and resize graphics within my work	justification, borders, background colour) to refine and improve my work
	I can use spell check to aid my writing	Presentations:
<b>50</b>	Presentations:	I can add a background colour to improve my work
<u>:</u>	I can type text and insert images onto pages	I can add slide transitions and animation effects
7	I can add text effects and move items around to find the best layout	Programming:
<u>d</u>	Programming:	I can test existing programs
Computing	I can reorder a sequence of instructions to perform a given task	to see how they could be improved
Ŭ	I can refine a program by using the repeat command	I can create a procedure (group
	Simulations:	of commands) to do a specific task
	I can explain how to control a simulation	I can sequence commands to create a program with a purpose using inputs
	I can explain how a simulation is and isn't realistic	
Art and Design	To improve mastery of art and design techniques, including drawing, painti Stone Age Jewellery  Use different materials to create necklace and bracelets in a stone age style Painting  Create 'cave paintings' of hands using speckling; create cave paintings of presented.	
O	Investigate how people from the Stone Age made music	
Music	Compose a piece of music that suggests the different stages of visiting a cav	re – Stone Age Boy
	Hinduism	Christianity
Sn	What do Hindus believe about God?	Why do religions have rules?
gio	How and why do Hindus worship at home and in the mandir?	Why is Advent important to Christians?
<u></u>	How and why do Hindus celebrate Divali?	How do Christians celebrate Christmas today?
Religious Education		

	Structures – Stone Henge/shelters
	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 communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern
80	pieces and computer-aided design
9	Make
<u>u</u>	Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately
Ş	Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional
Te	properties and aesthetic qualities  Evaluate
b	Investigate and analyse a range of existing products
a	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Understand how key events and
<b>8</b>	individuals in design and technology have helped shape the world
Design and Technology	Technical knowledge
۵	Apply their understanding of how to strengthen, stiffen and reinforce more complex structures
	Design and make a shelter to protect a Stone Age person/ family. Choose appropriate materials. Evaluate effectiveness of shelter based on the following criteria – protection from wind, protection from rain, protection from wild animals. How could the design be improved?  Create Stone Henge from biscuits – how do the stones remain still? What supports them? How can they be reinforced?
	Locational knowledge
<b>&gt;</b>	Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their major cities and vegetation
Q	Name and locate counties and cities of the United Kingdom
ğ	Link to Skara Brae – what would be a good settlement identifying land types.
Geography	Describe and understand key aspects of physical geography including rivers and the water cycle
	Changes in Dritain from the Change Age to the Iron Age
	Changes in Britain from the Stone Age to the Iron Age Iron Age hill forts; tribal kingdoms; farming, art and culture
>	Visit to Danelaw – Interactive Stone Age village
History	
H:	How prehistory has impacted on more modern times
	Understanding how sources support what we know about history? How do we know they are accurate?
	Onderstanding now sources support what we know about history: now do we know they are accurate:

	Ball Skills – Invasion Games	Dance	Gymnastics	Health and Fitness
	Y3	Y3	Y3	Y3
	Throwing/ catching to a partner	Imaginative responses to stimuli	Explore use of floor /mats/	Explore warm up and cool down- identify when
	Be able to move with the ball	(ptnr/ small grp)	apparatus	body is warm
	effectively	Perform with expression and	Use shape/ balance and travel	Strength/ suppleness
吕	Y4	awareness of others	Show control accuracy and	Teach activities for sustained activity- e.g.
-	Fluency/ accuracy in throwing	Use of expressive language	fluency	skipping
	and catching	Y4	Y4	Y4
	Use and adapt tactics to different situations	Develop and vary actions used	Use compositional devices when	Know why warming up is important
	Develop understanding of rules	Change in pathways, levels, on the spot travelling	creating sequences	Recognise how physical activity affects our bodies
	and explain to others	the spot travelling		
	Year 3 (Catherine Cheater Scheme		Year 4 (Catherine Cheater Scheme	)
	Numbers 0-6	-3,	Questions, answers and sentence	-
	zéro, un, deux, trois, quatre, cinq, s	riv	Qui est-ce?	building e.g.
	Greetings	SIX.	C'est + name	
	Bonjour! Bonjour + name		Ce n'est pas + name	
	Bonjour, monsieur / madame / ma	demoiselle	Dans le sac, il y a et	
	Comment t'appelles-tu?		Further adjectives e.g.	
	Joyeux Noël!		blanc, brun, noir, orange, rose	
<u> </u>	Classroom phrases e.g.		Vocabulary for a game	
<u>u</u>	asseyez-vous, asseyez-vous correct		Coin! Coin!	
French	levez-vous, montrez-moi, regardez	, taisez-vous, touchez	Encore!	
	Adjectives e.g.		Masculine nouns e.g.	
	bleu, gris, jaune, rouge, vert		un âne, un avion, un caméléon, un	cochon, un éléphant, un furet, un lion, un mouton,
	Vocabulary for spelling skills		un ours, un papillon, un perroquet	
	Comment ça s'écrit?		Feminine nouns e.g.	
	some alphabet letters			eine, une chenille, une grenouille,une libellule, une
	Vocabulary for sentence building		panthère, une perruche, une poule	e, une souris
	Voici, et, un bonhomme de neige, l	e Père Noël, un renne, un chat, un		
	chien, un cadeau, un sapin			

# **PSHCE**

Promote the fundamental British values of democracyinclude in suitable parts of the curriculum, as appropriate for the age of pupils, material on the strengths, advantages and disadvantages of democracy, and how democracy and the law works in Britain, in contrast to other forms of government in other countries;

- ensure that all pupils within the school have a voice that is listened to, and demonstrate how democracy works by actively promoting democratic processes such as a school council whose members are voted for by the pupils;
- use opportunities such as general or local elections to hold mock elections to promote fundamental British values and provide pupils with the opportunity to learn how to argue and defend points of view

Working as a team Verbal and non-verbal communication

#### SPRING TERM - Rainforests and biomes

#### **Year 3 - Animals including Humans**

Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat

Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

Chn should be introduced to the main body parts associated with the skeleton and muscles, finding out which body parts have special functions Chn could work scientifically by identifying and grouping animals with and without skeletons and observing and comparing their movement. They could explore ideas about what would happen if humans did not have skeletons.

#### **Plants**

Identify and describe the functions of different parts of flowering plants- roots, stem/ trunk, leaves and flowers

Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, room to grow) and how they vary from plant to plant

Investigate the way in which water is transported within plants Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Chn understand the functions of each part of a plant.

Chn could work scientifically by comparing effect of different factors on plant growth (e.g. amount of light)

Chn could look for pattern in the structure of fruits that relate to how the seeds are dispersed

Chn could observe how water is transported in plants by putting cut white carnations into coloured water and observing how the colour travels up the stem to the flowers

### **Year 4 - 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.

Chn need to know the names of the main body parts associated with digestive system and their functions (mouth, tongue, teeth, oesophagus, stomach, intestine)
Chn could work scientifically by comparing teeth of carnivores and herbivores, suggesting reasons for differences

#### **Living Things and their Habitats**

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.

Chn need to understand how local environment changes throughout the year (seasons) and why Chn need to develop own ways of classifying living things (e.g. flowering and nonflowering plants/ vertebrates and invertebrates etc)

Chn cauld subdivide each group into more precise group headings such as amphibians, reptiles, mammals etc

Chn could explore how humans have impacted on an environment (e.g. deforestation in Amazon rainforest/ urbanisation/ litter/ conservation areas etc)

Computing	Year 3 - Databases: I can create a branching database to sort and organise items I can filter and sort records in a database to answer questions Creating images: I can zoom in to help paint a realistic picture	Year 4 - Graphs:  I can present data in a graph, selecting the most appropriate layout I understand the difference between discrete and continuous data I can answer questions relating to graphs, and pose my own questions I can use my graph in a document / presentation to share findings with others  Spreadsheets: I can add text and numbers to spreadsheet cells I can add simple formulae: +-*/ I can change the appearance of cells, e.g. size, borders and colours I can copy and paste formulae within a spreadsheet
Ö		Creating images: I can group, copy and move shapes within a picture I can order shapes / images by sending them to the back / front Photography: I can crop and / or rotate an image where needed I can adjust the colours on a photo
Art and Design	Making negatives – Plants	in Microsoft Word.
Music		
Religious Education	Christianity/ faith What do miracles tell us about who Jesus was? How and why do religious people pray?	Christianity – Easter What do Christians remember on Palm Sunday? Why is Lent such an important time for Christians?

and ology	Cooking and Nutrition Understand and apply the principles of a healthy and varied diet. Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.		
Design and Technology	Design clothing to survive the varying range of weather in the rainforest.		
Geography	Place Knowledge Understand geographical similarities and differences through the study of human and physical geography in South America – AMAZON RAINFOREST and BRAZIL Locational knowledge 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) Human and Physical Geography Describe and understand the key aspects of physical geography including: biomes and vegetation belts Geographical skills and fieldwork Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world		
History	N/A this term		
PE	Ball Skills – Net Games Y3  Control and consistency Body position to receive ball Vary speed and direction of ball Y4  Exploiting space away from opposition Vary speed, height and direction of ball Develop anticipation skills and adjusting own body position	Gymnastics Y3  Devise and perform sequence with clear beginning, middle and end (solo/ pair)  Adapt to include different levels, speeds and directions Y4  Use compositional devices when creating sequences	

	Year 3 (Catherine Cheater Scheme – 3)	Year 4 (Catherine Cheater Scheme – 4)
	Numbers 7-10	Adjectives that precede the noun e.g.
	sept, huit, neuf, dix	Petit, grand
	Phrase of celebration	Sentence starters e.g.
	Bonne Année!	Chez moi
	Vocabulary for spelling skills	Dans ma chambre
	consonne, voyelle	Dans mon placard
	more alphabet letters	Verbs e.g.
	Verbs e.g.	danser, sauter, voler, nager
_	Courez, marchez, marchez sur la pointe des pieds, sautez	Punctuation e.g.
French	Adverbs e.g.	Point d'exclamation
ត	Lentement, vite	Point d'interrogation
	Asking politely	Months
	s'il te plaît, merci, voilà	janvier, février, mars, avril, mai, juin, juillet, août, septembre, octobre, novembre,
	Masculine and feminine nouns e.g.	décembre
	Qu'est-ce que c'est?	ce mois-ci, c'est
	un pinceau, un feutre, un crayon, un stylo, une gomme, une règle	le mois dernier, c'était
	Punctuation e.g.	le mois prochain, ce sera
	Virgule, point	
		Definite article
		le, la l', les
	Mental Health in school/at home – <a href="https://www.mentallyhealthy">https://www.mentallyhealthy</a>	rschools.org.uk/
	, the rule of law, individual liberty,	
PSHCE		
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#### **SUMMER TERM – Natural disasters**

#### Year 3 - Light

Recognise that they need light in order to see things and that dark is the absence of light

Notice that light is reflected from surfaces

Recognise that light from the sun can be dangerous and that there are ways to protect their eyes

Recognise that shadows are formed when the light from a light source is blocked by a solid object

Find patterns in the way that the size of shadows changes.

Chn should explore what happens when light reflects off a mirror or other reflective surface

Chn should consider why we need to protect our eyes from bright lights Chn should look at shapes made by shadows and what causes them to change Chn could work scientifically by looking what happens when a light source moves or distance between light source and object changes.

# **Forces and Magnets**

Compare how things move on different surfaces

Notice that some forces need contact between two objects, but magnetic forces can act at a distance

Observe how magnets attract or repel each other and attract some materials and not others

Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials

Describe magnets as having two poles

Predict whether two magnets will attract or repel each other, depending on which poles are facing.

Chn should observe that magnetic forces work even when not touching Chn could explore everyday uses of magnets

Chn could work scientifically by comparing strengths of different magnets and finding a fair way to test them

Chn could look for patterns in the way that magnets behave in relation to each other (attraction/repel)

#### **Year 4 - Electricity**

Identify common appliances that run on electricity

Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers

Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery

Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit

Recognise some common conductors and insulators, and associate metals with being good conductors.

Chn should construct simple series circuits using different components such as bulbs, buzzers and motors and switches

Chn should be able to draw circuit as pictorial representation (conventional symbols are not introduced until Y6!)

Chn could work scientifically by observing patterns (e.g. what happens when more cells are added, that metals are better conductors than other materials)

#### Sound

Identify how sounds are made, associating some of them with something vibrating Recognise that vibrations from sounds travel through a medium to the ear Find patterns between the pitch of a sound and features of the object that produced it

Find patterns between the volume of a sound and the strength of the vibrations that produced it

Recognise that sounds get fainter as the distance from the sound source increases.

Chn could explore how sounds are made by different musical instruments and how the pitch/volume can be altered

Chn could work scientifically by finding patterns in sounds made by different objects such as saucepan lids of different sizes or elastic bands of different thicknesses.

Chn could investigate what materials make good insulators against sound

Computing	Year 3 - Online collaboration: I can send and reply to online messages such as email I can add and open attachments I know not to open messages and attachments from strangers Video: I can zoom in and out on subjects appropriately I can download the video files from the video camera I can combine video clips to create a video	Year 4 - Online collaboration:  I know what spam is, and how to deal with it  I know how and why to keep my personal information private  Animation:  I can plan an animation using a storyboard  I can shoot frames to combine into an animation  I can edit an animation to improve it / make it more realistic  I can put sounds over an animation
Comp	Audio: I can re-record an audio recording to improve clarity I can download and save a recording	I can add titles and photos into an animation I can plan and create an animation for a given purpose I can combine an animation with other software  Audio: I can edit an audio recording for a purpose I can add an audio recording other software
Art and Design	N/A this term	
Music		
Religious Education	Beliefs and Worship Why are holy books important? What can we learn about symbols and beliefs from visiting religibuildings?	Stories and community How do Jesus' parables help Christians live their lives? Ous What do religions say about the environment?

Design and Technology	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 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 of others to improve their work Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] Technical Knowledge Understand and use mechanical systems in their products (for example, series circuits incorporating switches, bulbs, buzzers and motors)  Creating functional volcanoes Make a cyclone in a bottle
Geography	Rivers Locational Knowledge understand how some of these aspects have changed over time Geographical skills and fieldwork Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. Use maps, atlases, globes and digital/ computer mapping to locate countries and describe features studied. Identify where extreme weather occurs Producing weather reports (link with computing – video and audio)
History	N/A this term

#### **Year 3 (Catherine Cheater Scheme – 3)**

#### Numbers 11-31

onze, douze, treize, quatorze, quinze, seize, dix-sept, dix-huit, dix-neuf, vingt, vingt et un, vingt-deux, vingt-trois, vingt-quatre, vingt-cinq, vingt-six, vingt-sept, vingt-huit, vingt-neuf, trente, trente et un

## Vocabulary from a song

un tee-shirt, un pantalon, un pull, un chapeau, je mets

# **Responding to questions**

oui, non

## Days of the week

lundi, mardi, mercredi, jeudi, vendredi, samedi, dimanche aujourd'hui, c'est ...

hier, c'était ...

demain, ce sera...

# Taking the register

présent, présente

#### Punctuation e.g.

ouvrez les guillemets

fermez les guillemets

### Year 4 (Catherine Cheater Scheme – 4)

#### Vocabulary from a song

une culotte, une chemise, une veste, des lunettes

Que fais-tu?

#### Questions and answers e.g.

Combien de cochons y a-t-il?

Il y a cinq cochons

Quelle est la date aujourd'hui?

C'est le + date.

Qui + verb

# Phrases of celebration / greeting e.g.

Bonnes vacances!

Joyeux anniversaire!

Bon anniversaire!

# Towns in France e.g.

Amiens, Angers, Avignon, Bordeaux, Calais, Cherbourg, Dieppe, Dijon, Lyon, Marseille, Nantes, Nice, Paris, Reims, Tours.

	Athletics	Ball Skills – Fielding and Striking	Athletics	Outdoor and Adventurous
	Y3	Y3	Y3	Activities
	Sustain pace over long distances	Increased control	Organise themselves in small	Y4
	(jog/ run)	Strike ball with intent	groups	Communicate effectively in pairs/
	Throw with greater control (range	Intercept the ball and sometimes	Turn taking/ roles	small groups
	of throwing actions)	catch	Understand and take part in relay	Solve problems including simple
	Jump- control and consistency of	Throwing accurately	take overs	orienteering
ш.	take off/ landing	Y4	Y4	Evaluate performance and modify
Δ.	Y4	Adjusting/placing striking action	Paralympics cluster competition	if reqd
	Understand differences in	Working with others- fielding		Y4
	running/ sprinting over longer	positions		Follow simple plans and maps on
	distances	Bowling accurately and varying		school site
	Throw with power and accuracy	speed		Work in small groups on
	for distance			challenges
	Jump from standing position for			Team building activities
	distance			
ш	mutual respect and tolerance of those	with different faiths and beliefs		
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PSHCI				

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# KS2 EXEMPLAR LONG-TERM PLAN

# Based on Christianity, Buddhism and Hinduism/ Sikhism (core) and Islam (supplementary)

	AUTUMN	SPRING	SUMMER
Year Three	What do Hindus believe about God? (Belief, 8 weeks)	What do miracles tell us about who Jesus was? (Belief, Teachings/ Authority, 7-8 weeks)	Why are holy books important? ( Belief, Teachings/ Authority, Worship, 6 weeks)
	How and why do Hindus worship at home and in the Mandir? (Worship, Impact of Faith, 4 weeks)  Christmas Why is Advent important to Christians? (Worship, Teachings/ Authority, Belief, 3 weeks)	Easter What do Christians remember on Palm Sunday? ( Belief, Teachings/ Authority, Worship, 3 weeks)	How do Jesus' parables help Christians live their lives? ( Teachings/ Authority, Impact of Faith, 6 weeks)
Year Four	Why do religions have rules? (Teachings/ Authority, Impact of Faith, 5-6 weeks)	How and why do religious people pray? (Worship, Belief, 6 weeks)	What can we learn about symbols and beliefs from visiting religious buildings? (Belief, Worship, 6 weeks)
	How and why do Hindus (or Sikhs) celebrate Divali? (Teachings/ Authority, Worship, 5-6 weeks)  Christmas How do Christians celebrate Christmas today?	Easter Why is Lent such an important time for Christians? (Belief, Worship, Teachings/ Authority, 3 weeks)	What do religions say about the environment? (Belief, Teachings/Authority, Impact of faith, 5-6 weeks)