

Year 5 Curriculum

Autumn 2 2023 - 2024

Swallowdale Curriculum

Dear Families,

This booklet contains the Long Term Plan, information for English, maths and the knowledge organisers which outline the units of work that your child will be covering in our wider curriculum this half term. These will show you the main elements of learning for your child and we hope you find them useful.

Please note that history and geography, art, and design and technology are taught in alternate half terms.

To support your child's learning at home please read with them regularly and sign your child's reading diary.

More information about our curriculum can be found on the school's website.

Thank you for your support.





Year 5 Long Term Plan 2023 – 2024





	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English	Reading Writing including grammar, spelling and punctuation					
Maths	Place Value Addition Subtraction	Multiplication Division Fractions	Fractions Decimals and Percentages	Perimeter and Area Statistics	Shape Position and Direction Decimals	Negative Numbers Converting Units Volume
Science	Forces and Magnets	Earth and Space	Materials	Materials	Living things and their habitats	Animals, including humans
History and Geography	Climate Zones	Ancient Maya	Economic Trade	Richard III: Dynasty, Death and Discovery	North America	Crime and Punishment
Art and Design and Technology	Drawing: Olivier Leger	Mechanisms: Electronic Cards	Painting: Paul Wright	Textiles: Stuffed Toy	Collage: Megan Coyle	Food and Nutrition: Improving a Pie Recipe
Religious Education	Judaism	Why do Hindus try to be good?	ТВС	ТВС	ТВС	ТВС
PSHE	Being Me In My World	Celebrating Difference	Staying Safe	Healthy Me	Relationships	Changing Me
Computing	Systems and Searching	Video Production	Selection in Physical Computing	Flat file Data Bases	Introduction to Vector Graphics	Selection in Quizzes
Physical Education	Gymnastics / Fitness	Dance / Football	Basketball / Dodgeball	Yoga / OAA	Swimming / Netball	Swimming / Athletics
Music	Getting Started with Music Tech	Sing and Play in Different Styles	Composing and Chords	Enjoying Musical Styles	Freedom to Improvise	Battle of the Bands
French	Fc	od	Hot	obies	All Aro	und Me

Year 5 English Reading



What do good readers Use Ask do? background Visualise questions knowledge Use Make Monitor Understand narrative comprehension predictions vocabulary skills Make Make Understand Decide what links grammar inferences is important

Our Class Poetry Books





Reading Lessons

Using our school jigsaw, I will consider what good readers do in the moment of reading and after reading, and these skills will be modelled and practised during my lessons. I will practise reading aloud to develop my fluency and prosody. I will read a range of fiction, non-fiction and poetry each term. My reading work will be recorded in my reading journal.

Independent Reading

I will have a book linked to my reading level which I may read in school and at home. The reading level of my book is shown by the coloured dot at the back of the book. My reading level is assessed at school using a Benchmarking assessment and this will be checked throughout the year. My reading book should not be too tricky as this book is for me to read fluently and to understand what I have read so I can enjoy it. I may also select a book from the class or school library. I should record my independent reading in my school reading diary each week and show my teacher.

This is the book we

will read and discuss in class each day. We will identify key vocabulary and learn to summarise the key information each time we read.



Reading for Pleasure - Our Class Book

Nobody visits Eerie-on-Sea in the winter. Especially not when darkness falls and the wind howls around Maw Rocks and the wreck of the battleship Leviathan, where even now some swear they have seen the unctuous Malamander creep...

Statutory Spelling Words for Year 5 and Year 6

accommodate	category	determined	forty	marvellous	programme	soldier
accompany	cemetery	develop	frequently	mischievous	pronunciation	stomach
according	committee	dictionary	government	muscle	queue	sufficient
achieve	communicate	disastrous	guarantee	necessary	recognise	suggest
aggressive	community	embarrass	harass	neighbour	recommend	symbol
amateur	competition	environment	hindrance	nuisance	relevant	system
ancient	conscience	equipment	identity	оссиру	restaurant	temperature
apparent	conscious	equipped	immediate	occur	rhyme	thorough
appreciate	controversy	especially	immediately	opportunity	rhythm	twelfth
attached	convenience	exaggerate	individual	parliament	sacrifice	variety
available	correspond	excellent	interfere	persuade	secretary	vegetable
average	criticise	existence	interrupt	physical	shoulder	vehicle
awkward	curiosity	explanation	language	prejudice	signature	yacht
bargain	definite	familiar	leisure	privilege	sincere	
bruise	desperate	foreign	lightning	profession	sincerely	



Year 5 English Writing

At Swallowdale, we follow a five-stage process for writing and in Y5 I will write for different purposes: to entertain, to inform, to discuss and to persuade. I will also write for a range of audiences.

				_		
Planning	Drafting		Revising		Editing	Publishing
		J				

Content to be taught and applied in writing this year Converting nouns or adjectives into verbs using suffixes (e,g, - ate, -ise, -ify) Word Verb prefixes (e.g. dis-, de-, mis-, over- and re-) Relative clauses beginning with who, which, where, when, whose, that, or an omitted relative pronoun Indicating degrees of possibility using adverbs (e.g. perhaps, surely) Sentence Modal verbs (e.g. might, should, will, must) There is correct subject and verb agreement when using singular and plural Use of linking words/phrases between sentences and paragraphs to build cohesion Text Linking ideas across paragraphs using adverbials of time, adverbials of place, adverbials of number and tense choices (e.g. he had seen her before) Use of brackets Use of commas to indicate parenthesis Punctuation Use of commas to clarify meaning or avoid ambiguity Punctuation of bullet points to list information modal verb, relative pronoun relative clause, cohesion Terminology parenthesis, bracket, ambiguity, bullet points

Spelling

I will use the Sounds and Syllables approach in my spelling lessons and when I am writing.I will also learn to read and spell the statutory words for UKS2.



What will I be writing?

I will be writing a biography of Katherine Johnson. I will examine and use the organisation and language features required. I will learn to use relative clauses with commas for parenthesis and brackets for additional information.

Year 5 Mathematics - Autumn



Addition and subtraction Place Value I will recognise, read and write I can add and subtract positive numbers to a I can mentally add and subtract a 5 digit number to tens, hundreds and thousands. I numbers to 100 000. negative number. can use a formal written method to add and subtract numbers. -5 -4 -3 -2 -1 0 1 2 3 4 TTH HTH TH 0 - 3 7 5 1 4 8 2 add 2 Negative numbers Positive numbers 2 2 8 7 4 I can partition numbers in different I can compare numbers 0 ways. We can compare numbers using the < and > 2 2 symbols. 4 + 6 Numbers can be partitioned (broken apart) in more < means less than > means areater than subtract than one way. The number 714,825 could be = means equal to -2 2 4 partitioned in many ways such as: -3 700.000 + 10.000 + 4.000 + 800 + 20 + 5 or 714,000 + 825 or 700,000 + 14,000 + 700 + 125 or 600,000 + 140,000 + 600 + 220 + 5 123.518 < 123.845 549,736 > 547,736

Multiplication and division

I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. I can establish whether a number up to 100 is prime and recall prime numbers up to 19. I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. I can recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).

Factors

Factors are the numbers that multiply together to make a product.







Multiples Multiples are the result of multiplying

two numbers together. They can be seen as extended times tables.



Sauare numbers

A square number is a number that has been multiplied by itself. The symbol to show this is 2.

When square numbers are represented in an array, it forms a square shape.



Prime Numbers

A prime number is a number that only has 2 factors - 1 and itself.

5 is a prime number as it can only be divided by 1 and itself. 5 is not in any other times tables.



Cube numbers

A cube number is a number that has been multiplied by itself then multiplied by itself again. The symbol to show this is ³.

 $2^3 = 2 \times 2 \times 2 = 8$





4

2

4

2

4

8



Year 5 Science Knowledge Organiser Earth and Space



Contemporary scientist



Maggie Aderin-Pocock is a British space scientist and science educator. She is currently working on the observation instruments for the Aeolus satellite, which will measure wind speeds to help the investigation into climate change.

Key vocabulary

Earth: The planet we live on. It is the third planet from the Sun.

Sun: The Sun is the star at the centre of our solar system. Warning: It is not safe to look directly at the Sun, even when wearing dark glasses.

star: A huge ball of glowing gas in space.

moon: The moon is the only natural satellite of the Earth.

planets: Large spherical objects, made of rock or gas, that orbit the Sun.

orbit: The curved path that an object follows when going around a star of planet.

solar system: The Sun and all the planets that orbit the sun.

rotate: When an object rotates it turns (spins) on its own axis

The Sun is the centre of our solar system. There are 8 planets in our solar system: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

These all orbit (travel) around the Sun.



The moon orbits the Earth The moon takes about 28 days to complete its orbit.



What will I know by the end of the unit?

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describe the movement of the Moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

The Earth orbits the Sun It takes 365 1/4 days for the Earth to orbit the Sun. This is a year.





Year 5 History Knowledge Organiser: Ancient Maya Civilisation

Enquiry Ques	tion		Key	Historical	Threads
Why should we still learn about T	he Ancient May	e Ancient Maya today? Empire Invention		vention	
Key Vocabulary		K	ey Knowledge		
artefact: an object that is made by a person, such as a tool civilisation: human society which is organised dynasty: a series of rulers or leaders all from the same family empire: a group of countries ruled by a single person, government or country hieroglyphics: a system of writing using	America) be for being the sophisticate spectacular have become well-known f	ere a civilisation w tween approximate e first Mesoameri d culture in which monuments and st world tourist des for their advanced a abandoned. No a	ely 2000 BCE ar cans to develop they lived in cit epped pyramids tinations in the maths and cale	nd 900CE. T writing. Th y states. T - some (e.g modern da ndars. Arou	They are known ey also had a hey built 1. Chichen Itza) y. They were also ind 900CE, Maya
pictures not words kingdom: a place ruled by a king, queen or	What will I know?				
important person. maize: corn - a major source of food for the Mayan people and part of their religious culture pyramid: a 3d man-made structure built through large cuboids of rock piled on one another to form a triangular shape sacrifice: a slaughtering of an animal or human as an offering to please the gods	about the • I will unde • I will explo compared same time	rstand the hierard ore how this centr with a British or E	chy of Mayan civ al American soc uropean society	vilisation. iety v of the	
2000BCE Civilisations first begin to emerge.1100BCE The first hunter- gatherers begin to settle on the Pacific Coast.800BCE Farming begins and a basic trade system develops.	700BCE Maya writing begins developing.	100BCE The first pyramids/temples are built and cities begin forming around them.	250CE The Classic Era begins. Astronomy, mathematics and architecture are all developing.	800- 925CE Chichen Itza becomes the most powerful city.	1000CE The Maya civilisation begins to decline and leave the cities. In the 1500s, the Spanish begin to colonise here.

Religious Education Knowledge Organiser Year 5 - Why do Hindus try to be good?



By the end of this unit, I will be able to:

- Identify and explain Hindu beliefs: dharma, karma, samsara and moksha, using technical terms accurately.
- Make clear connections between Hindu beliefs about dharma, karma, samsara and moksha and ways in which Hindus live.
- Connect the four Hindu aims of life and the four stages of life with beliefs about dharma, karma, moksha, etc.
- Reflect on and articulate what impact belief in karma and dharma might have on individuals and the world, recognising different points of view.

Brahman and Atman In Hindu belief, all animals and humans have a spark of Brahman inside of them. The spark of Brahman inside each living creature is called 'atman'. The 'atman' is pure, eternal and unchanging. This is someone's true self, but it is tangled up with a creature's physical body.

Key Vocabulary

atman: a Hindu word that means soul or spirit, it can't be seen or touched but it is everlasting Brahman: The Hindu God which is made up of three main forms known as the Trimurti: Brahma (the creator), Vishnu (the preserver) and Shiva (the destroyer) dharma: a duty for Hindus to fulfil karma: the destiny that you earn through your behaviour and actions moksha: the end of the Hindu cycle of life samsara: the cycle of birth, life, death and rebirth

<u>Gandhi</u>

Mohandas Gandhi was a leader of India's independence movement. When India was a colony of Great Britain, Gandhi used nonviolent methods to protest against British rule. His efforts earned him the title Mahatma. Mahatma means "great soul."





Year 5 Design and Technology Knowledge Organiser: Mechanisms

	Key vocabulary				
plan decide what you are going to do					
design	to make, draw or write plans for something				
design criteria	a set of rules to help designers focus their ideas and test the success of them				
function	how an object or product operates or works				
innovative	introducing or using new ideas or ways of doing things				
modify	changing something to improve or fix it				
target audience	a particular group of people who the product is aimed at				
evaluate	decide if something is good or bad, then think about how you could improve it				
component	one of several parts of which something is made				
copper	copper a metal material that is one of the best conductors of heat and electricity. It is often used to make wires and pipes				
graphite a conductive, black carbon material that is used to make pencil leads					
LED	a light emitting diode which lights up as electricity passes through				



Year 5 Jigsaw Unit 2 Celebrating Difference

	Č							
	I have already lea	arnt to	Now I will learn to		Next I will learn to			
PSHE	someone changed as I got to know them. Explain why bullying might be difficult to spot and what to do about it if I'm not sure. ocial & Explain why it is good to accept myself and others		Explain the differences between indirect types of bullying and ca strategies to help myself and ot involved (directly or indirectly) in situation.	an offer a range of thers if we become	Explain ways in which difference can be a source of conflict or a cause for celebration.			
Social & Emotional			Explain why racism and other forms of discrimination are unkind. Express how I feel about discriminatory behaviour.		Show empathy with people in situations where their difference is a source of conflict or a cause for celebration.			
	Jigsang at the			I wi	ill understand this vocabulary			
		Hello I'm Jigsaw		culture	The ideas, customs and social behaviour of a particular people or society.			
The	Charter		< 000	conflict	In opposition; a disagreement			
<u>e</u>	We take turns to speak		The second se	racism	The belief that people of some races are inferior to others.			
	Ve use kind and positive words 5 10 10 10 10 10 10 10 10 10 10 10 10 10		race discrimination	This happens when racial groups are at disadvantage to others.				
We	We have the right to pass We only use names when giving	T con onswon th		homophobic	Having or showing a dislike of or prejudice against homosexual people.			
	Compliments or when being positive We respect each other's privacy (confidentiality)			rumour	A story or report of uncertain or doubtful truth.			
			e discriminated against	bullying	Behaviour that is repeated, intended to hurt someone either physically or emotionally.			
	τ.	because of your race of	5					
-		Do you understand the	e different types of bullying?	cyber bullying	The use of electronic communication to bully a person, typically by sending messages of an intimidating or threatening nature.			
					A			





What should I already know?

- how to create and save files
- how information technology can be used responsibly
- how computer networks work
- how to assess the reliability of information on the internet

What will I learn?

- to create short videos
- to capture, edit and manipulate video
- to use iMovie software

Key Vocabulary

video	recording, reproducing, or broadcasting of moving visual images
audio	sound including music, sound effects and podcasts
zoom	to make details larger or smaller while keeping the picture clear
pan	to move slowly around so that a wide area is filmed

Story boards are a good way to plan video content

Storyboard:		Name:
Scene:	Scene:	Scene:
Notes:	Notes:	Notes:

Scene:	Scene:	Scene:
Notes:	Notes:	Notes:

Techniques

Technique 1: Static camera

Key points:

- The camera is fixed in position
- A tripod or stand may be used
- Examples: a newsreader or a weather forecaster

Technique 3: Pan and tilt

Key points:

- Pan: The camera position may be fixed, but it is able to move freely from left to right
- Tilt: The camera position may be fixed, but it is able to move freely up and down



Technique 2: Zooming

• This allows for close-up video so

mean that the subject is blurry

you can see the subject in

• Using too much zoom may

areater detail

Key points:







Knowledge Organiser - Unit 2 Year 5



Musical Spotlight: Sing and Play in Different Styles	Name:
Social Question: How Does Music Connect Us with Our Past?	Class:

nderstanding	Music		Improvise Toge	ether	
Tempo:	Moderato — a speed (112 bp)	Carl Street Control Control Street	Time signature:	4/4	
Time signature: 2/4 - there are beats in a bar		re two crotchet	Key signature:	A minor	
Key signature:	the key signature (>) hythmic Minims, dotted crotchets,		Notes:	A, B, C, D, E, F#, G	
Rhythmic patterns using:				م مېږ د د د و و بې	
SONG The Sparkle I Style: F	n My Life	Dreaming	IG 2 3 Of Mars d 21st Century estral	SONG 3 Get On Board Style: Gospel	
are four crotchet beats in a bar Key signature: El-major — there are three flats in the key signature \overrightarrow{B} F G Ab Bb C D Circle the part you played: Part 1: C, Db, Eb (Recorder): G, Ab, Bb Part 2: C, Eb, F (Recorder): G, Ab, Bb Part 3: C, Eb, F (Recorder): G, Bb, C Part 4: Eb (Recorder): C, Bb Circle the pates you		Time signature are four crotch bar Key signature: there are no sh in the key signa C D E Circle the part Part 1: G, G\$, A Part 2: G, G\$, A Part 3: G\$, A, B (Recorder): A, E Part 4: C (Recorder): Bb, Circle the note improvised with C, D, E, F, G	et beats in a C major — harps or flats ature $F \ G \ A \ B$ you played: B > C B > C C B > C C C B > C C C C C C C C	Style: Gospel Time signature: $4/4 - $ there are four crotchet beats in a bar Key signature: F major there is one flat in the key signature $F \ G \ A \ B \ C \ D \ E$ Discuss together what this song was about. Write down three words about the song:	



FRENCH KNOWLEDGE ORGANISER

Food



Prior Learning

I will already know:

- how to say numbers between 0 and 20
- say what I like and do not like

Key Vocabulary					
un couteau	a knife				
une fourchette	a fork				
une tasse	a cup				
les pommes les fraises les tomates les carottes les bananes les pommes de terre les cerises	the apples the strawberries the tomatoes the carrots the bananas the potatoes the cherries				
les raisins	the grapes				

Key Learning

I will:

- learn the names of some foods, including fruit and veg, cutlery and cooking ingredients
- learn how to say which foods I like and dislike
- learn how to say what I am eating



Questions and answers

Qu'est-ce que tu manges?

Je mange...

Qu'est-ce que vous désirez?

Je voudrais..., s'il vous plaît

What are you eating?

I'm eating...

What would you like?

I would like..., please.