

#### Year 6 Curriculum Map

2022 - 2023

2014 National Curriculum Coverage at Langney Primary School – Year 6 Vision Statement:

'At the forefront of education, our vision is to provide opportunity and excellence in all branches of learning. By creating a flagship school that is a 'Centre of Excellence' in scores of disciplines, academic and beyond, each unique child's potential is explored and natural talents discovered. At Langney Primary School our vision is to uphold the balance between EXCELLENCE (standards) and the ENJOYMENT of learning. Our school ethos places emphasis on physical, social and emotional health to ensure a healthy body and mind for our pupils, parents and staff (School Vision Statement March 2019).

**School Motto:** 

"Active Body, Healthy Mind"

#### **Curriculum Intent:**

- 1) INNOVATION
- 2) CENTRE OF EXCELLENCE IN ALL DISCIPLINES
- 3) TALENT DISCOVERY
- 4) RAISING ASPIRATIONS & LIFE CHANCES
- 5) BALANCE BETWEEN EXCELLENCE (STANDARDS) and ENJOYMENT
- 6) HEALTH & WELL-BEING

#### **Core Values:**

The individual school character is based on the following shared core values which underpin our behaviour principles and interactions with each other:

Mutual Respect
Aspiration
Appreciation
Positivity
Farmiranasa

VR/AR Resources	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
		Stunning	g Start and Fabulo	ous Finish			
Stunning Start	WW2 Art	Shakleton's Adventures	Reading by torchlight	Disability A	wareness Day		
Fab Finish	WW2 Day	Mechanical Christmas Toys	Monster art sculptures	Wonder art	Camp or Activities Week	Leavers' assembly	
	Coverage						
Term	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
Topic Title	Keep Calm and Carry On	Antarctic Adventures	Malamander	Wo	nder	Everything All At Once	
Writing	Description Non-Chronologica	Character description	Narrative with dialogue		ter as Auggie as Mr Tushman	Persuasive speech	
Genres	I report about the war	Biography Persuasive writing	Description	Description (1	he Little Freak)	Poetry (link to Leavers' Assembly)	
		(letter)	To be informed by assessment	Narrative (alterna	ative point of view)	, , , , , , , , , , , , , , , , , , , ,	
				,	,	Information texts	
		Narrative	Narrative	D	iary	Letters	
Reading	Information Texts	Information texts	Information / non-fiction texts	Lo	etter	Narrative	
Genres	Narrative _	Non-fiction texts - Biographies	Newspaper articles	Nar	rative	Debate	
	Poetry	Poetry	Poetry	Po	petry	Performance Poetry (link to Leavers' Assembly)	
	Letters from the Lighthouse	Shackleton's	Malamander	Wo	onder		
Core Text	Emma Carroll  LETTERS  FROM THE  LIGHTHOUSE  Fall Right Flows Cond.  Linear Cond.  Lin	SHACKLETON'S JOURNEY  SHACKLETON'S JOURNEY  Milliam Gull HTTPIG LIT FOODS	THOMAS TAYLOR	Que la companya de la companya della companya della companya de la companya della	Dec Day	EVERY THING ALLATORES STEVEN CAMPBRIDGE	

Science	Physics: Light  I can recognise that light appears to travel in straight lines.  I can use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.  I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.  I can use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	Biology: Animals including humans  I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.  I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.  I can describe the ways in which nutrients and water are transported within animals, including humans.	Biology: Evolution and Inheritance  I can recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.  I can recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.  I can identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	I can associate the bri volume of a buzzer wi cells used in the circui     I can compare and give how components func of bulbs, the loudness position of switches.	re reasons for variations in tion, including the brightness of buzzers and the on/off	Biology: Living things and their habitats  I can 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.  I can give reasons for classifying plants and animals based on specific characteristics.
Science	I can take measure Can record data a graphs. I can use test resul Can report and prooral and written for	ments, using a range of so nd results of increasing co ts to make predictions to s esent findings from enquiri ms such as displays and o diffic evidence that has been	n used to support or refute	uding recognising and concreasing accuracy and precagrams and labels, classificand fair tests.	cision, taking repeat readin cation keys, tables, scatter	gs when appropriate. graphs, bar and line
Key Scientists	Thomas Edison	Christiaan Barnard	Charles Darwin Mary Anning	Alessand	dro Volta	Carl Linnaeus
Computing	Computing (The Ethics of a Digital World)  I can understand how the internet uses energy  I can analyse the impacts of e-waste  I can analyse the impact of technology on our planet  I can explore how artificial intelligence is being used  I can identify ways in which humans coexist with robots	Computer Science 1 (Robotics with Ohbot)  I can code a decision in a program  I can program a set of motors to perform a specific task  I can create string variables  I can create integer variables  I can create 'nested' if statements	Electronic Safety (Protecting Myself Online)  I can understand the pros and cons of presenting yourself in different ways online I can explore the causes and effects of online bullying  I can analyse what influences a digital footprint  I can understand the law relating to copyright  I can determine the effects of screen time on health	Digital Creator (3D Artefacts)  I can evaluate existing products using web-based resources  I can use unfamiliar CAD software  I can create a CAD model, taking account of time, resource and cost limits  I can critically evaluate my products against my design specification and purpose	Computer Science 2 (Problem Solving)  I can explore the origins of the Python programming language  I can write basic Python code  I can find and fix syntax errors  I can use escape sequences when coding  I can use escape sequences for purpose	Digital Creator (Film Maker)  I can understand the basic layout of a video editor  I can understand the basic tools of a video editor  I can understand the process of sifting and selecting  I can build a video story on a timeline  I can appreciate the importance music can play in film
History	A local History study  I can communicate information about history in my local area.  A local history study of Eastbourne in WW2.	A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066  I can communicate information about an aspect of British History that happened after 1066.  Crime and Punishment through History	Chronological U	Jnderstanding		
	I can use a timeline to      I can evaluate evident     I can investigate my o     I can give reasons for	events, movements and dates describe the changes in a perion to the changes in a perion to the changes in a perion to the changes in the change in the past have affect to the change in a period to the change in the change in a period to the change in the c	on a timeline. iod of history.  Historical nost reliable forms when finding itiry. expretations of history.	Enquiry		

Geography		Place Knowledge  I can understand geographical similarities and differences, through studying the human and physical geography, of different regions in the United Kingdom.  Human and physical similarities and differences with the Jurassic coast and Eastbourne  Geographical Skills and Fieldwork  I can use maps, atlases globes and digital mapping to locate countries and describe features studied.  I can use the eight points of the compass to help build my knowledge of places.  I can use symbols and key and four & six figure grid references to build my knowledge of U.K. and the wider world.  I can do 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 digital technologies.	Locational Knowledge  KS1 Review – I can name and locate the seven continents of the world (North America, South America, Europe, Asia, Oceania/ Australasia, Antarctica).  KS1 Review - I can name the world's seven continents and five oceans (Atlantic Ocean, Pacific Ocean, Indian Ocean, Arctic Ocean, Southern Ocean).  Year 3 Review – I can name and locate European countries and cities.  Year 4 Review - I can name and locate the countries of North America and major cities.  Year 5 Review - I can name and locate the countries of South America and major cities.	Locational Knowledge  I can name and locate counties and main cities of the United Kingdom.  I can name and locate geographical regions, and their identifying significant human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and landuse patterns; and understand how these aspects have changed over time.  I can name and locate the surrounding seas of the United Kingdom. (English Channel, North Sea, Irish Sea, Atlantic Ocean)  Human and Physical Geography I can describe and understand key aspects of physical geography in the United Kingdom: Biomes and vegetation Belts National parks; Rivers; Mountains; Hills; The water cycle.  I can describe and understand key aspects of human geography in the United Kingdom: Significant features; Types of settlement and land use; Economic activity including trade
		sketch maps, plans and graphs and		United Kingdom: Significant features; Types of settlement and land use;

Art & Design	Drawing: pencils Painting: Water colour, ready mix paints, variety of brushes. colour palettes  I can talk about an artist/ architect/ designer and how they might have influenced my work.  I can research the work of artists, architects and designers by looking at their work in books, the internet, art galleries etc.  I can create art in the style of an artist/architect or designers.  I can use graphics, annotations and research to show how I have developed my work.  I can produce increasingly accurate drawings reflecting shape, proportion  I can record my observations and use them to review and revisit ideas.  I can express emotions accurately through paint.  I can use a wide range of painting techniques.  Watercolour Poppy paintings	Sculpture: Modelling media: Clay. Dough. Plasticine. boxes. wire, mod roc. paper, card.etc.  I can manipulate, shape and join materials well to make an effective 3D form.  I can create work which is open to interpretation.  Monster sculptures	Painting: Water colour, ready mix paints, variety of brushes, rollers, string, natural objects, card, PVA glue, colour palettes  I can create my own prints building up an image.(stencil/ screen prints)  Wonder art	Drawing:
Artists and Designers	Georgia O'Keefe	Benjamin Waterhouse Hawkins	Olly Moss Tad Carpenter	Samuel Earp

### Mechanical Systems: Pulleys or gears Evaluating existing products

- I can generate innovative ideas by carrying out research using surveys, interviews, questionnaires and web-based resources
- I can test products with intended user and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.
- I understand that mechanical and electrical systems have an input, process and an output.
- I understand how gears and pulleys can be used to speed up, slow down or change the direction of movement.
- I can investigate famous manufacturing and engineering companies relevant to the project.

#### <u>Design</u>

- I can develop a simple design specification to guide my thinking.
- I can develop and communicate ideas through discussion, annotated drawings, exploded drawings and drawings from different views.

Design Technology

#### <u>Make</u>

- I can produce detailed lists of tools, equipment and materials; formulating stepby-step plans and if appropriate, allocate tasks within a team.
- I can select from and use a range of tools and equipment to make products that are accurately assembled and well finished; working within the constraints of time, resources and cost.

#### **Evaluate**

- I can compare the final product to the original design specification.
- I can consider the views of others to improve my work.

### Technical Knowledge and Understanding

 I know and use technical vocabulary relevant to the project.

## Food: Celebrating Culture and Seasonality Evaluating existing products

- I can generate innovative ideas through research discussion with peers and adults to develop a design brief and criteria for a design specification.
- I can carry out sensory evaluations of a range of relevant products and ingredients; recording the evaluations using e.g. tables/graphs/chart s such as star diagrams.

#### **Design**

- I can explore a range of initial ideas, and make design decisions to develop a final product linked to user and purpose.
- I can use words, annotated sketches and information and communication technology as appropriate to develop and communicate ideas

#### <u>Make</u>

- I can write a step-by-step recipe, including a list of ingredients, equipment and utensils.
- I can select and use appropriate utensils and equipment accurately to measure and combine appropriate ingredients.
- I can make, decorate and present the food product appropriately for the intended user and purpose.

#### **Evaluate**

- I can evaluate the final product with reference back to the design brief and design specification, taking into account the views of others when identifying improvements.
- I understand how key chefs have influenced eating habits to promote varied and health diets

#### <u>Technical</u> Knowledge and Understanding

- I know how to use utensils and equipment including heat sources to prepare and cook food.
- I understand about seasonality in relation to food products and the sources of different food products.

# Textiles: Combining different fabric shapes Evaluating existing

- products
  I can generate innovative ideas by carrying out research using surveys, interviews and questionnaires.
- I can investigate and analyse textile products linked to my final product.

#### Design

- I can develop, model and communicate ideas through talking, drawing, templates, mock-ups and prototypes and, where appropriate, computer-aided design.
- I can design purposeful, functional, appealing products for the intended user that are fit for purpose based on a simple design specification.

#### <u>Make</u>

- I can produce detailed lists of equipment and fabrics relevant to tasks.
- I can formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- I can select from and use a range of tools and equipment to make products that are accurately assembled and well finished; working within the constraints of time, resources and cost.

#### **Evaluate**

- I can compare the final product to the original design specification.
- I can test products with intended user and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.
- I can consider the views of others to improve my work.

#### <u>Technical</u> <u>Knowledge and</u> <u>Understanding</u>

I know a 3D textile product can be made from a combination of accurately made pattern pieces.

Spanish	Our World  Geography Spanish speaking countries, location, capital cities Q and A	The Solar System  Planet names, descriptions with adjectives, location with prepositions	Wanted!  Physical descriptions (using adjectives to describe hair, eyes etc)	In Fashion  Clothing and descriptions of outfit, opinions.	I know and use relevant technical and sensory vocabulary.  Tell Me a Story When I grow up  Talking about future wishes, future tense, story telling and drama	fabric shapes and different fabrics.  I know fabrics can be strengthened, stiffened and reinforced where appropriate.  Culture Vulture  Transition to secondary MFL, focus on Hispanic culture, review of learning
Music	String  Ukulele Performing four chord.  I can identify 3 major chords on a tab. I can identify a minor chord on a tab. I can practice the 3 major chords, and a minor chord on a string instrument.	String  Ukulele Composing a song with four chords.  I can perform the 3 major chords, and a minor chord on a string instrument. I can improvise the 3 major chords, and a minor chord on a string instrument. I can produce a composition using 3 major chords and a minor chord on the ukulele and record these on a tab.	Keyboards  Piano Performing four chords on the keyboard.  I can identify 3 major chords and a minor chord on the keyboard and the stave. I can identify a major chord with a sharp note on the keyboard and the stave. I can practise the chords on the keyboard and stave. I can practise the chords on the keyboard and stave. I can perform the chords on the keyboard using the stave.	Keyboards  Piano Creating a composition using four chords.  I can confidently practise the chords I have learnt showing fluency, control and accuracy in reading sheet music. I can confidently perform what I have learnt showing fluency, control, expression and accuracy in reading sheet music. I can confidently perform what I have learnt showing fluency, control, expression and accuracy in reading sheet music. I can improvise using 4 chords on the keyboard. I can produce a composition on the keyboard using 4 chords and interrelated dimensions of music as appropriate.	Recording Software  Creating a composition using recording software  I can identify the features of a recording software. I can practise how to use a piece of recording software. I can create a drum rhythm on a drum machine using a piece of recording software. I can create a drum rhythm on a drum software. I can create a drum rhythm on a drum software. I can produce a composition using recording software.	Percussion  Samba Conducting a personal composition to a group.  I can confidently practise a rhythm using different drums on the neutral clef. I can implement a rhythm using different drums on the neutral clef showing fluency, accuracy, control and expression on an untuned instrument  I can produce a compositi on using different untuned instrument untuned percussion on the neutral clef and a range of different untuned percussion on the neutral clef and a range of different musical cue notes. I can conduct my compositi on within a small group.
Physical Education	Football – fundamental movements & ball skills  OAA – team building, problem solving map reading, independent orienteering	Rugby - movement & handling skills Hockey - movement & handling skills Gymnastics - travel (solo and partner), balance, rolls, body control	Basketball – team skills, ball handling Netball – team skills, ball handling Dance – Movement, creating choreography, performance	Handball – team skills, ball handling Gymnastics – rolling, flight, choreography, performance	Tennis - Striking a ball, racket grip, ball control  Quick cricket - Striking a ball, throwing and catching, bowling a ball  Dance - Movement, creating choreography, performance	Athletics – Running, jumping, throwing, technique, strength and stamina *Sports Day Practice  Mindful Movement (Yoga type activities)
PSHE (Jigsaw)	Celebrating difference I understand there are different perceptions about what normal means. I understand how having a disability could affect	Healthy Me I can take responsibility for my health and make choices that benefit my health and well-being.  I know about different types of drugs and their uses and their effects on the body.	Dreams & Goals I know my learning strengths and can set challenging but realistic goals for myself (e.g. one in-school goal and one out-of-school goal).  I can work out the learning steps I need to take to	Relationships  I know that it is important to take care of my mental health.  I know how to take care of my mental health.  I understand that there are different	Mental Health and Wellbeing: Resilience, stress and revision	Changing Me  I am aware of my own self-image and how my body image fits into that.  I can explain how girls' and boys' bodies change during puberty and understand the importance of

	someone's life.  I can explain some of the ways in which one person or a group can have power over another.  I know some of the reasons why people use bullying behaviours.  I can give examples of people with disabilities who lead amazing lives.  I can explain ways in which difference can be a source of conflict and a cause for celebration.	particularly the liver and heart.  I understand that some people can be exploited and made to do things that are against the law.  I know why some people join gangs and the risks this involves.  I understand what it means to be emotionally well and can explore people is attitudes towards mental health/illness.  I can recognise stress and the triggers that cause this and I understand how stress can cause alcohol misuse.	reach my goal and understand how to motivate myself to work on these.  I can identify problems in the world that concern me and talk to other people about them.  I can work with other people to help make the world a better place.  I can describe some ways in which I can work with other people to help make the world a better place.  I know what some people in my class like or admire about me and can accept their praise.	stages of grief and that there are different types of loss that cause people to grieve.  I can recognise when people are trying to gain power or control.  I can judge whether something online is safe and helpful for me.  I can use technology positively and safely to communicate with my friends and family.		looking after yourself physically and emotionally.  I can describe how a baby develops from conception through the nine months of pregnancy, and how it is born.  I understand how being physically attracted to someone changes the nature of the relationship and what that might mean about having a girlfriend/boyfrien d.  I am aware of the importance of a positive self-esteem and what I can do to develop it.  I can identify what I am looking forward to and what worries me about the transition to secondary school.
Religious Education	different practise enable Muslims to show their commitment to God and understand that some of these will be more significant to some Muslims than others.	Christianity Incarnation  What is the most significant part of the nativity story for Christians today?  I can describe some of the ways that Christians would celebrate Christmas and start to understand which of these would help them understand who Jesus was and why he was born.  I can explain that people may celebrate Christmas in say whether or not I feel this relates to Jesus.	Christianity Salvation  Is anything ever eternal?  I can explain why Christians believe some things are eternal and the difference this makes for them.  I can give my own answers as to whether anything is eternal and give my reasons.	Christianity  Is Christianity still a strong religion 2000 years after Jesus was on Earth?  I can explain a range of arguments to suggest Christianity is a strong religion today and also give you the opposing arguments.  I can express my opinion as to whether Christianity is a strong religion now giving reasoned arguments.	Christianity Kingdom of God  For Christians, what kind of king is Jesus?  I can explain the connection between biblical texts and the 'Kingdom of God.'  I can consider different possible meanings and interpretations for biblical texts.  I can explain different ways that Christians put their belief in the Kingdom of God into practice.  I can relate the Christian response to issues in the world today. (e.g. the kingdom of God is loving, serves the needy etc.)  I can give my own response to the importance of love and service in the world today.	Christianity Creation/Fall Creation and science: conflicting or complementary?  I can consider how Christians would interpret Genesis 1 and how this might differ from how others interpret it.  I can make clear connections between Genesis 1 and the Christian idea of God as a creator.  I can understand how many Christians find that Science and Faith can go together well.  I can evaluate how key ideas of Genesis 1 are complementary or conflicting with a scientific account.

Outdoor Learning Opportunities:						
Place	Location	Activity				
School	Outside playground	Shakleton's adventures - children to work in teams to put up tents and take on roles within Shakleton's team.				
Seafront	By the Sovereign Centre	Geographical fieldwork - looking at erosion of beach, need for dredging, purpose of groynes.				
School	Outside playground	Science - human reenactment of the circulatory system.				

Visitors:	
Visitor	Activity
Katherine WW2 expert	Term 1 Fabulous finish WW2 day with artefacts; finding out about some of the people who were in Eastbourne during WW2; giving each child a 'character' – a real person (probably a child) in Eastbourne and imagine their journey; listening to radio broadcasts from the time; looking at the realities of what it was like being evacuated, rationing etc; and craft activities.

Secondary age	Term 6
children	Secondary children to visit year 6 classes to talk about what to expect and support with transition to secondary school.

Cross-Curricular Texts:					
Subject	Text	Title, Author and Synopsis			
History - Children in WW2 Evacuation	Letters from the Lighthouse	February, 1941. After months of bombing raids in London, twelve-year-old Olive Bradshaw and her little brother Cliff are evacuated to the Devon coast. Follows the journey of two evacuated siblings and their experiences living during WW2 in London and by the coast. Mysterious plot includes a missing sister, code-breaking and wartime spies.			
General	Wonder	Born with a terrible facial abnormality, Auggie has been home-schooled by his parents his whole life. Now, for the first time, he's being sent to a real school - and he's dreading it. All he wants is to be accepted - but can he convince his new classmates that he's just like them, underneath it all? A story that teaches children all about acceptance, bravery, kindness, equality and resilience.			