#### Designing and Refining the Curriculum



#### Lydia Cartwright 23rd May 2024

# Our journey...

- The content of the curriculum ambitious, coherently sequenced, inclusive
- Life experiences bringing learning to life
- Philosophy of learning long-term memory
- Strong PSHE, SMSC and British Values

# A schema that offers breadth and balance...

As a staff, we spent staff meeting time focussing on the following areas:

- What is the big picture? How are you going to ensure concepts are securely embedded into children's long-term memory?
- Why is it important for children to know about these subjects?
- How are they building on cultural capital?

How are these subjects adding to our children's lives?

### An example...

			History Overvie	w			i
	Autumn I	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Key stage
Nursery	Children bring in photos of stages of their life.	Bonfire night Remembrance day	Old and new nursery rhymes/games– invite grandparent in to share	What can we do now that we couldn't before? Changes over time	Old and new toys linked to Literacy stories Making comparisons	The King linked to literacy stories	Great and ghastly events Significant people
Reception	Old and New—baby photo, toys, bikes, cars, trains. Peepo, Milly- Molly-Mandy stories Old and new	5th November—bonfire night 11th November— Remembrance day— Poppy painting	Old and new Homes (Milly, Molly, Mandy stories)	Castles	Child Initiated cont What they can do now befo Non fiction books	that they couldn't do re	
KSI Thomes: Great and Ghastly Events, Significant people							
Year I		Significant people: History - Explorers Neil Armstrong, Christopher Columbus		Great and Ghastly events: The Great Fire of London		<b>Significant people:</b> Oueen Elizabeth II— Family Comparison	
Year 2		Great and Ghastly events: The Cunpowder Plot		Life and times of a Victorian Child,		Great and Ghastly events: Titanic	
	-	LKS2 Thur	ues: Conflict, local history	, Achievements			
Year 3	Conflict: Stone/ Bronze/Iron Age		Achievements Stone/ Bronze/Iron Age		Local history: Industrial Revolution		
Year 4		Conflict: British Armed Forces WWI to present day		Achievements: African Kingdoms		Local history: Romans	
		UKS2 Then	us: Conflict, Cracking id	eas, Achievements			
Year 5	Achievements: Ancient Egypt			s Priorslee changed over ne?	Conflict: Angle Sexons		
Year 6		Cracking ideas: Engnuity—How great inventions and innovations from 191+- 19+5 era and still used today		Conflict: Vikings		Adusvements: Ancient Greez	

Key stage 2		
Conflict		
Achievements		
Local history		
Cracking ideas		

Key stage I

#### An example...

Concept	E/FS	М		У2	У3	У+	У5	)	/6				
Achievement	Castles Old and new toys Changes over time Old and new nursery rhymes	Oueen Elizabeth Great Fire of London Explorers	The Gur Victori.an Titanic	powder Plot . child	Stone/Bronze/ Iron Age Industrial revolu- tion	Romans African King- doms	Ancient Egypt	Cracking Ancient C					
Agriculture		Explorers			Stone/Bronze/ Iron Age Industrial revolu- tion		Local history Anglo-Saxons Ancient Egypt	Ancient C Vikings	ireece				
Conflict	Remembrance Castles		Gunpowd	er plot Monarchy	Stone/Bronze/ Iron Age Castles Bonfire night	Romans British Armed Queen Elizabet Qreat Fire of London			ireece Stone/Bron Iron Age	nze/	Romans British Armed Forces	Anglo-Saxon	Vikings Ancient Greece
Democracy (also through Empire	Bonfire night	Oueen Elizabeth Oueen Elizabeth	The Gu Titanic	Nation	The King	Oucen Elizabet Explorers	h The Qunpowe	der Plot	Industrial tion	revolu-	British Armed Forces African King- doms	Ancient Eygt Anglo Saxons	Crackling Ideas Ancient Greece Vikings
				Parliament	Bonfire night	Oueen Elizabet Great Fire of London		der Plot			British Armed Forces		Crackling Ideas Ancient Greece
Invasion	Castles Remembrance			Settlement		Explorers			Stone/Bron Iron Age Industrial tion		Romans African King- doms	Anglo-Saxon	Vikings
				Law	Bonfire night	Oueen Elizabet	h The Quinpowe Victorian chi				Romans British Armed Forces	Local history Anglo-Saxons	Ancient Greece
				Migration			Titanic				Romans	Anglo-Saxons	Vikings

### An example...

Concept: Conflict	
Ν	Remembrance — 2 sides disagree and fight
УR	Remembrance - 2 sides disagree and fight Castles
УΙ	
У2	Gun powder plot Knowing that the impact of conflict can be due to different factors e.g. religion, class and that the events of the conflict can still be remembered today. That if the winners of the conflict were different then life could be different today.
У3	Stone Age-Iron Age
уц.	Romans British Armed Forces African Kingdoms
У5	Anglo-Saxon
Уб	Vikings Ancient Greece Gracking Ideas The effects of conflict on the world, the legacy of conflict and how it has impacted the world we live in today. The impact of the Viking invasion on our country The impact of conflict on technology and how conflict forced advances.

### Knowledge before skills

- Substantive knowledge vs disciplinary knowledge
- Looked at research traditional knowledge– based curriculum – Young (Powerful knowledge)
- Attended conferences ResearchEd, Mary Myatt

Whole school Andrew Percival training

### Progression

 Progression in knowledge and skills documents developed in every subject across the curriculum



Geography Knowledge and Skills Overview Redhill Primary Academy Updated March 2024

"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."

#### Unit Overview Summer 2 Ceography Unit Overview Energy and Sustainabi

		Geography Unit Overview								
	t Overviews	Year 3 Summer 2	Energy and Sustainability							
Reception	History—Old and New- ourselves and transport	~	Place	Space	Scale	Interconnectio	Environment	Environment	Cultural	
Autumn Term		Key C				n	(physical and	al impact	awareness	
ELG	Substantive Knowledge and Vocabulary	Concepts					human	and	and diversit	
Early learning	I know how I have changed from when I was a baby	- ч 					processes)	sustainability		
goal _	I know that people change as they get older (how they look and the things they c		<u>Prior Learni</u>	ng			<u>What comes</u>	next?		
Understanding the world, people	do)	Sequence	Y2– World	knowledge			Year 6– Na	tural Resourd	ces	
and communities		30		J						
	l know some different modes of transport.									
Children talk about	I know some of the features of the modes of transport.		Knowledge and \							
past and present	I know the differences between transport now and in the past.		the term sustain	5						
events in their own lives and in the lives	I know how transport has changes over time e.g bike and penny farthing.		I know what the term energy means.							
of family members.		I know what the term environment means.								
They know about similarities and	I know some different items of clothing	I know that resources are things that are used by countries to support themselves.								
differences between	I know how clothing has changed over time.	I know that there are different sources of energy-fossil fuels, renewable energy.								
themselves and others, and among		I know that sustainability is connected to how we use resources available to us.								
families,	I know that toys have changed over time.	I know different ways of producing energy.								
communities and traditions.	I know the difference between old and new toys	I know how fossil fuels are extracted and the damage this can cause.								
troductions.	Key chronological knowledge	I know different types of renewable energy– Solar energy, Wind energy, Hydro energy, Tidal energy, Geothermal energy,								
	I know that a penny farthing was made over 150 years ago.	Biomass energy								
	I know that the steam engine was made over 300 years ago.	I know that there is a German city called Freiburg and it is trying to become a sustainable city.								
	I know that children are the youngest, then parents, then grandparents.	I know some of the ways Freiburg are encouraging their citizens to become more sustainable-financial rewards for waste								
		composting, reusable nappies, solar powered football stadium.								
	Disciplinary Knowledge	- I know that Telford is working to become more sustainable.								
	• Talk about the lives of the people around them and their roles in society:	I know that a solar farm was completed in 2014 to provide power for more than 800 homes.								
	<ul> <li>Know some similarities and differences between things in the past and now,</li> </ul>		I know that Telford used to have a power plant but that this was dosed due to reaching EU environmental regulations.							
	drawing on their experiences and what has been read in class; -	Disciplinary	3	C						
	• Understand the past through settings, characters and events encountered in									
	books read in class and storytelling		I can use 4 figure grid references to locate features on a map							
		-	ise features on a	1 - C		_				
		l can produc	e a sketch map	of environmenta	ally friendly fe	atures in Telfor	d.			

### **CPD on embedding knowledge**



# Enhancing our teaching and learning

All staff bought their own copy.

A year of CPD through staff meetings embedding and ensuring consistency in approach.

#### THE PRINCIPLES OF INSTRUCTION

HOW

#### TAKEN FROM THE INTERNATIONAL ACADEMY OF EDUCATION

This poster is from the work of Barak Rosenshine who based these ten principles of instruction and suggested classroom practices on:

- research on how the brain acquires and uses new information
- research on the classroom practices of those teachers whose students show the highest gains
   findings from studies that taught learning strategies to students.



#### Assessment

Last Lesson	Last Week	Last Year	AFL: Mark my test		
Represent 27 using dienes	Double 6 is	2, 4, 6,,	Question	Answer	Mark
	Double 4 is Double 1 is	4,, 8, Ю, I2,,	What is an alliance?	Two sides that are fighting against each other.	X Two or man
etrieval practice	_1	L	 What is the collective name of the Army, Navy and Royal Air	British Armed Forces	V 1/ 1
What can you remembe	<u> </u>		FOTCE? Can you name any other groups that invaded? Britian?	The Stone Age	X Romanz
Which is the correct spelling? Can you think 3 words with a) couple b) cuple	he correct spelling? a) ruff b) rough		What does the crown represent on the British Armed forces emblem? Explain why this is here.	The Queen	X 1 The queen csoverign because the protish armed torces serve her.
c) coupel	c) rugh		Who's death lead to the start of WWIP	The Prince of Austria- Hungary	X-2 The prince ) Of Austria Hungo Archduke Franz Ferdinand
What is ea	ch symbol representing?	What is the symbol for ? A bulb	What is conscription?	The rationing of food dur- ing the war.	X - Came out in 1916 - when all m aged 18-41 had to
(M	<u> </u>	A battery	When did WWI start and end?	1914 - 1919	X 9 4 years 1914-1918 V
Image: Second se		An open switch			
_	└ <u></u> ○──	A wire			



#### Assessment

Science Knowledge Quiz			
Topic Light Year Group: 6			
QI: How does light travel?	Start of unit	End of unit	
	of unit	unit	
Through a medium.			
In waves.			
In straight lines.			

Q2: What happens when you shine a light at a mirror?	Start of unit	End of unit
The light refracts.		
The light reflects.		
The light turns.		
The light flips.		

Through the air.

Q3: An object can be seen by	Start	End of
	of unit	unit
using the light within our eyes to		
illuminate the object.		
reflecting light from a light		
source into the eye.		
absorbing the light around it to		
make it visible.		

QH: Shadows are created	Start	End of
when	of unit	unit
Shiny objects reflect light.		
An object blocks light.		
Only at night time.		
When an object cannot reflect		
light.		

Q6: What is refraction?	Start	End of
	ofunit	unit
When light passes through		
transparent objects and changes		
direction.		
When light hits an opaque		
object and casts a shadow.		
When light is separated to show		
the different colours of the		
spectrum.		
When you look though a		
coloured filter and the object		
appears a different colour.		

#### Q7: Who discovered made up of differe Thomas Edison Isaac Newton

eye.

#### Vocabulary **Definition** Red Orange Green Charles Darwin Ben jamin Franklin angle Q8: Why does light into different colour concave shone through a pris Because colours have wavelengths. convex Because light travels different speeds Because the light illu dim colours inside the pri: Because the pupil con amount of light tha dispersion emits light opaque

Science Vocabulary Quiz

Topic - Light

#### **Resources to support learning**



#### **Resources to support learning**

#### Redhill Primary Academy—Knowledge Organiser

#### Key Knowledge—What do I need to know by the end of this topic?

If animals can produce young, the species will survive.

Animals are adapted to survive and produce offspring. They are adapted to avoid predators e.g. camouflage, use of warning colours in insects, spines on plants.

Variation in offspring over time can make animals more or less able to survive in particular environments and lead to evolutionary change.

Fossils help us to learn about animals from the past and provide evidence for evolution.

Selective breeding occurs when characteristics have been chosen to improve crops and to develop selected traits in animals.







Charles Darwin is a famous scientist who is known for his theory of evolution by natural selection. According to this theory, all living things are struggling to survive. The living things that have the most helpful traits for their environment tend to survive. These living things then pass along their helpful traits to their young

Key Vocabulary—What words do I need to be able to use within my scientific writing?			
variation	the differences between individuals within a species		
natural selection	the process of plants and animals adapting to their environment		
adaptation	a change that comes about by natural selection		
evolution	the change in the inherited traits of a population over time		
inherited	passed on by a parent or ancestor		

Redhill Primary Academy—Knowledge Organiser



History: The Great Fire of London



## **Enrichment at Redhill**

- > A curriculum that builds on what they understand and know already.
- Opportunities for new experiences.
- Embody diversity and offer insight to the wider world.
- Opportunities to contribute to school life through joining an array of pupil voice groups.
- Daily collective worship and assemblies.
- Trips to the local park, shops and visits to places of worship, museums, sports and music venues; three residential trips completed in Year 2, Year 4 and Year 6; regular opportunities to use our forest school and Grove Garden.



#### NATIONAL CURRICULUM 2014

"The national curriculum provides pupils with an introduction to the **essential knowledge** that they need to be educated citizens. It introduces pupils to **the best that has been thought and said;** and helps engender an appreciation of human creativity and achievement."

# **Enrichment at Redhill**



- Autumn term 1 British Values Week
- Autumn term 2 Friendship Week (to coincide with Anti-Bullying Week)
- Spring 1 E-Safety Week
- Spring 2 Healthy Lifestyles Week
- Summer 1 Careers and Aspirations Week





# **Enrichment at Redhill**

We have lots of different after school clubs available:

- Sports clubs football, multi sports, netball, cheerleading, dodgeball, tennis and basketball
- Performing arts clubs dance, musical theatre, choir
- Hobbies arts and crafts, cooking, board games
- Forest school, bushcraft and survival
- STEM club
- Modern foreign languages clubs

Musical opportunities:

- Music lessons drums, keyboard, violin
- Perform in assemblies
- Specialist musicians deliver lessons
- > Theatre trips
- Redhill's Got Talent





## **Developing the whole child**

- > At the heart of the curriculum.
- Children develop a strong sense of moral purpose.
- Respect and understanding of people who have different characteristics to themselves.
- > A rigorous, well-planned curriculum.
- Driven by our six half-termly values: respect, friendship, responsibility, empathy, honesty and independence, which were chosen by both children and staff.
- Children and staff embody these values at Redhill.



### How do we assess impact?

Remembering Alexander's definition '*Curriculum:* what is intended to be taught and learned overall (the planned curriculum); what is taught (the curriculum as enacted); what is learned (the curriculum as experienced).'

- Pupil voice

- Work scrutiny
- Lesson visits

- Pupils love learning at Redhill Primary Academy.
- Pupils, including those with special educational needs and/or disabilities (SEND), learn consistently well.
- Pupils are inspired by their experiences at school and demonstrate positive attitudes towards learning. They are curious and enthusiastic learners.
- Trips, including residential visits...greatly enrich the curriculum.
- Leaders have planned a broad and ambitious curriculum that builds pupils' academic knowledge over time.
- High-quality development of pupils' personal qualities is a distinctive feature of the school.
- Pupils are inspired by their experiences at school and demonstrate positive attitudes towards learning.

Ofsted Inspection December 2022