Curriculum | Medium Term Plan - Autumn - Year five



		•						Victoria Park Primary Academy
Challenge Pack:	Change Makers		Challenge outcome:		How can we can we raise a global issue? Children we persuasive speech in the sit to persuade viewers to take action.	rill present a ° tyle of a protest	NC Year: Length of term:	(8 & 7 weeks)
Summary:	compare life in Brazil t current Changemakers	to life in the UK and under, understanding how Gre	erstand how th ta Thunberg is	re eco cam	specific region facing a cu onomies and our actions a paigning for environmenta raise awareness of pollution	re linked. Childr l change. Finall	en will learn abo	ut historic and
Key texts:	Fiction: The Great Kapok Tree Non-Fiction: My story by Malala Yo Action, The Brilliant Do Long Walk To Freedom No-one is too small to Great Thunberg,	eep r, - Nelson Mandela	Trips and visits: Science Uni	ts.	Living Things and their habitats Animals including Humans			
For body land	guage to become latural. To project their	Linguistic Oracy (Vocabulary, lar rhetorical technic To use an increasingly s range of sentence stems accuracy.	iguage, iques) sophisticated	of the point person disc	Cognitive Oracy (Contestructure, clarifying and summarizing, self-reguland Reasoning) The able to draw upon known the world to support their of the view and explore differentives. To identify when the ussion is going off topic around to bring it back on tracestore.	lation rledge wn time. To rent a ud to	Social & Emotion (Working with of and responding, speaking, Audier g actively for ext or speak with flair	chers, Listening Confidence in ace Awareness) ended periods of

Maths:	English:	NICER:
Baseline assessments and number work	Basic skills - SPAG Purpose: Recap Text type: Text: Knowledge and skills: • Identify and use nouns, pronouns, adjectives and determiners appropriately • Use expanded noun phrases to give complicated information concisely Vocabulary: Freedom, change-makers, apartheid, global issue, segregation, equality, diversity.:	WELCOME TO BRAZIL – THE WEATHER IS LOVELY! (introduction to Challenge PACK) What are Changemakers? Introduction to Challenge pack. Understanding of what we will be learning about and why – what is our outcome? Lesson 1: TASC Wheel/ Complete 'Explore the Challenge' page - Year 5 will spend the first 3 days exploring and ripping apart the challenge pack. Lesson 2: Explore the trip/ children CAFRA for trip (complete risk assessment) Lesson 3: Using thinking hats to explore oracy statements in relation to challenge pack e.g. pollution, extinction, change makers

Knowledge and skills:
Knowledge of skills:
Recognition of place value
Exploring multiples and estimating the position of
numbers, reading and writing numbers to
1,000,000

Children represent numbers to 1,000,000 using concrete resources. They understand that a 7 digit number is made up of 1,000,000s, 100,000s, 10,000s, 100s, 100s, 10s and ones.

SL ref: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit

Mental maths-Multiplication Purpose: Writing to inform

Text type: Non-chronological report to inform the reader about a significant changemaker (Nelson Mandela)

Text: Long Walk to Freedom

Knowledge and skills:

- Identify and use nouns, pronouns, adjectives and determiners appropriately
- $\bullet\$ Use expanded noun phrases to give complicated information concisely

Vocabulary: Freedom, change-makers, apartheid, global issue, segregation, equality, diversity.:

CHANGE MAKERS THROUGH HISTORY-

(introduction to different change makers overtime- (Nelson, Malala and Greta)

Killer Questions

How can religious leaders make changes?

How have non-religious leaders historically influenced changes?

As Historians WALT: identify Changemakers so that we can understand their impact

Outcome: Chn create a personal profile of changemakers

As Theologians WALT: describe how religious leaders have persuaded people to make changes

Outcome: Chn explore decisions made by religious leaders and collect information which helped persuade leaders.

As scientists WALT: describe the life processes of reproduction in flowering plants. (Lesson 1)

Mental maths focus: Rounding numbers (10,100,1000,10,000,

100,00)

Area of learning: Place Purpose: Writing to inform As Theologians WALT: identify the main religions in Brazil so that we can make comparisons with the UK Value Outcome: Children list religions and beliefs in Brazil Text type: Non-chronological report to inform the reader Knowledge and skills: about a significant changemaker Link to challenge outcome: Powers of 10 Children will learn that through history famous figures have brought Text: Long walk to freedom 10/100/1,000/10,000/100 issues to the world's attention. Refer to our LO for the challenge pack to focus on the issues we need to bring attention to. Basic skills - Identify and use nouns, pronouns, ,000 more or less adjectives and determiners appropriately Partition numbers to Use expanded noun phrases to give complicated Killer Questions What is diversity? why is it so important? information concisely 1,000,000 As Theologians WALT: Express our views on different beliefs and practices so that we understand how we self-reflect Number line to 1,000,000 Vocabulary: Freedom, change-makers, apartheid, global Skills and knowledge: issue, segregation, equality, diversity.: As Theologians WALT: Discuss and develop individual views so that we can make connections Within this step children revise adding and As scientists WALT: describe the life processes of reproduction in flowsubtracting 10s, 100s ering plants. (Lesson 2) 1000s, 10,000s, and INVESTIGATION - taking cuttings 100,00s. SL ref: Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Area of learning: Place Value Compare and order numbers to 100,000

Compare and order numbers to 1,000,000

Round to the nearest 10, 100 or 1,000

Round within 100,000 and within 1,000,000

Skills and knowledge:

Children can describe what is happening to place value columns when they are adding, subtracting or manipulating numbers.

SL ref: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit

Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0

Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000

Purpose: Writing to inform

Text type: Recount of event relating to the visit their hook day.

Text: My story by Malala Yousafazi

Knowledge and skills:

- Identify and use personal pronouns, prepositions and fronted adverbials appropriately
- Use a wide range of punctuation accurately and consistently
- · Recognise and use abstract nouns
- Use expanded noun phrases to give complicated information concisely

Vocabulary: animals, habitats, climate, adaption, hibernate, characteristics, mammals, reptiles, bird.

As Theologians WALT: Investigate what people believe and how they live in communities

so that we can make connections.

As Theologians WALT: identify how a place of worship is used so that it is an expression of their beliefs and how they are put into practice.

As Historians WALT: identify the religion and culture of the Mayans so that we can identify similarities and differences in different religions

Link to challenge outcome (for weeks learning)

We will be learning that respect for one another and our environment is extremely important. We will work on how we understand our own responsibilities to be a good role model to help become changemakers ourselves.

As scientists WALT: describe the life processes of reproduction in flowering plants. (Lesson 3)

Area of learning: Number addition and subtraction.

Mental strategies

Add whole numbers with more than four digits

Subtract whole numbers with more than four digits

Round to check answers

Skills knowledge:

Children will add 4-digit numbers with one exchange. They will use a place value grid to support alongside understanding column addition.

SL ref:
Add and subtract whole
numbers with 5 digits,
including using formal
written methods (columnar
addition and subtraction)

Add and subtract numbers mentally with increasingly large numbers, using known skills such as rounding and partitioning eg. 12, 462 - 2,300 =10, 162

Use rounding and the inverse to check answers to calculations and determine, in the context of a problem, levels of accuracy

Solve addition and subtraction multistep problems in contexts, deciding which operations Purpose: Writing to inform

Text type: Recount of event relating to the visit their hook day.

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Knowledge and skills:

- Identify and use personal pronouns, prepositions and fronted adverbials appropriately
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Vocabulary: animals, habitats, climate, adaption, hibernate, characteristics, mammals, reptiles, bird

WHAT CAN WE LEARN FROM HISTORICAL AND CURRENT CHANGEMAKERS?

(Children will explore ways to help raise awareness of global issues within the community)

Killer Questions

Can we become a changemaker?

How can we persuade people to make a change?

C3.3 - As a British Citizen WALT: I can evaluate the impact of Changemakers on their local and wider communities Outcome:

 ${\sf C3.6}$ - As a British Citizen WALT: I can plan ways to raise awareness of a global issue in my own community (school) Then Birmingham UK

Link to challenge outcome (for weeks learning)

We will be working to understand local issues and how we can raise awareness of them by our actions and presenting evidence to support our points of view.

As scientists WALT: describe the lifecycles of insects and amphibians. (Lesson 1)

and methods to use and why.	

Area of learning: Number addition and subtraction.

Inverse operations (addition and subtraction)

Multi-step addition and subtraction problems

Compare calculations

Find missing numbers

Children will explore what happens when subtraction has more than one exchange. They can use manipulatives to support their understanding. Some children may feel confident calculating with a written method.

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SL ref:
Add and subtract whole
numbers with 5 digits, including using formal written methods (columnar addition and subtraction)

Add and subtract numbers mentally with increasingly large numbers, using known skills such as Purpose: Writing to inform

Text type: Newspaper report about a key even from a change maker – Malala

Text type: My story by Malala Yousafazi

Knowledge and skills:

- Identify and use subordinates clauses, modal verbs and proper nouns appropriately
- Use a wide range of punctuation accurately and consistently
- Recognise and use abstract nouns
- Use reported speech accurately

Vocabulary: activist, enforced, human rights, discrimination, advocate, accomplishments and generation

WELCOME TO BRAZIL – THE WEATHER IS LOVELY! (introduction to Challenge – understanding the differences in climate

between South America and the UK)

Killer Questions

Where on the planet are different global and environmental issues taking place?

Geographically describe some of the different locations of these global issues?

 $\mbox{G1.1}$ - $\mbox{As Geographers}$ \mbox{WALT} – locate countries in South America and compare their climate to the UK

Outcome – Chn will label a map and complete a quiz to recall countries in south America.

 $\mathsf{G2.3}\ \mathsf{As}\ \mathsf{Geographers}\ \mathsf{WALT}\ \mathsf{-}\ \mathsf{use}\ \mathsf{technical}\ \mathsf{vocabulary}\ \mathsf{to}\ \mathsf{explain}\ \mathsf{the}\ \mathsf{climate}\ \mathsf{of}\ \mathsf{Brazil}$

Outcome – Chn will match the words to their definition and then use a talk prompt to practice using words in context.

Link to challenge outcome (for weeks learning) – children will be able to explain where to find the Amazon rainforest and locate it using a map. They will use exploratory talk to better understand the climate which they will later use in their presentational talk.

As scientists WALT: describe the lifecycles of insects and amphibians. (Lesson 2)

	Area of learning:	Purpose: Writing to inform	
	Multiplication and division		
	·	Text type: Newspaper report about a key event from a	
	Multiples	change maker – Malala	G2.2 -As Geographers WALT — explain how the water cycle works (in
	Common multiples		relation to Brazil)
	Factors	Text: My story by Malala Yousafazi	Outcome – Chn label the water cycle with key vocabulary. (Lesson 1)
	Common factors		Outcome - Chili littler the Water Cycle Will key Vocabulary. (Lesson 1)
		Knowledge and skills:	
		Identify and use subordinates clauses, modal	
	Using place value charts to	verbs and proper nouns appropriately	
	accurately multiply whole	Use a wide range of punctuation accurately and	
	numbers Children understand the	consistently	
	relationship between	 Recognise and use abstract nouns Use reported speech accurately 	As scientists WALT: describe the lifecycles of insects and amphibians.
	multiplication and division	· Ose reported speech accurately	(Lesson 3)
	and links with place value.	Vocabulary: activist, enforced, human rights,	
	ara aras viar piace vaice.	discrimination, advocate, accomplishments and	
		generation	
	SL ref:	<i>y</i>	
	Identify multiples and		
	factors, including finding		
	all factor pairs of a		
	number, and common		
	factors of 2 numbers		
	Multiply numbers up to 4		
	digits by a one- or two-		
	digit number using a		
	formal written method,		
	including long		
5	multiplication for two-digit		

numbers

	Multiplication and division	Grammar and Punctuation focus week	
	Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000		G2.2 -As Geographers WALT – explain how the water cycle works (in relation to Brazil) Outcome – Chn label the water cycle with key vocabulary. (Lesson 2)
	Multiples of 10, 100 and 1,000		Science: Retrieval and end of unit evaluation (Living things and their habitats
	Children understand the relationship between multiplication and division and links with place value.		
23.10.23 (8)	SL ref: Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000		
		Half Term	

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Area of learning: Purpose: Writing to persuade HOW CAN WE CELEBTRATE THE BEAUTY OF THE BRAZILIAN Multiplication and division RAINFOREST THROUGH ART? Text type: Letter to persuade people to reduce their (We've studied the book 'The Great Kapok Tree' by Artist and Author carbon footprint Lyne Cherry, now we are going to use her work to inspire our own Multiply by 10, 100 and Amazon Artwork) Text: Climate Action 1,000 Killer Questions Divide by 10, 100 and Knowledge and skills: How can you create effect using brush strokes? Identify and use emotive language and How do colours/media create a mood? 1,000 exaggeration Multiples of 10, 100 and Use a wide range of punctuation accurately and A3.2a - As Artists WALT identify shape, colour, tone and shading in consistently works of Art 1,000 Outcome - Critically analyse one of the illustrations in the book to Recognise and use abstract nouns Use imperatives and rhetorical questions observe the techniques used. Children understand the accurately relationship between multiplication and division Vocabulary: Climate, climate change, pollution, footprint, and links with place value. deforestation and carbon footprint SL ref: Multiply and divide whole As Scientists WALT- describe the human life cycle (Lesson 1) numbers and those involving decimals by 10, 100 and 1,000

Area of learning: Multiplication and division

Prime numbers
Square numbers
Cube numbers

Building upon their times tables knowledge children will find multiples of whole numbers. Children understand that a multiple of a number is the product of the number and another whole number.

SL ref:
Know and use the
vocabulary of prime
numbers, prime factors and
composite (non-prime)
numbers
Establish whether a
number up to 100 is
prime and recall prime
numbers up to 19

Purpose: Writing to persuade

Text type: Letter to persuade people to reduce their carbon footprint

Text: Climate Action

Knowledge and skills:

- Identify and use emotive language and exaggeration
- Use a wide range of punctuation accurately and consistently
- · Recognise and use abstract nouns

Vocabulary: Climate, climate change, pollution, footprint, deforestation and carbon footprint

 $\mathsf{A3.3b}$ - As $\mathsf{Artists}$ WALT to blend colours to create a palette for the Amazon

Outcome- Chn use techniques of blending to represent the Amazon

A3.3b - As Artists WALT select and reproduce a section of a painting that captures the colours of the Amazon

Outcome – Chn produce a painting using the colours of the Amazon

As Scientists WALT- understand how a foetus develops in a womb (Lesson 1)

Area of learning: Fractions
Skills

Children explore fractions in different representations, for example, fractions of shapes, quantities and fractions on a number line. They explore and recap the meaning of numerator and denominator, non-unit and unit fractions

Knowledge of skills:
Identifying fractions
Equivalent fractions
Fractions greater than 1
Improper fractions to mixed
numbers

Mental maths
Mental division strategies
Key question
Busses hold 60 passengers,
125 passengers want to go
on a trip, how many
busses will be needed?

Purpose: Writing to persuade

Text type: Speech to convince the public to support our cause

Text: No one is to small to make a difference by Greta Thunberg

Knowledge and skills:

- · Use simple and compound sentences
 - Identify and use
- · Coordinating and subordinating conjunctions
- Use a wide range of punctuation accurately and consistently
- Recognise and use abstract nouns
- Use emotive language and exaggeration

Vocabulary: Climate, climate change, pollution, footprint, deforestation and carbon footprint

WHAT IS BRAZIL LIKE? WHY SHOULD WE BE INTERESTED IN IT?

(Children will be provided carefully selected fact files of Brazil containing declarative knowledge on Ecosystems, settlements and the environment – they will then decide in groups how to learn and present this information back to the class)

Killer Questions

Why is the climate beneficial for Brazil and its natural resources?

G3.3 -As Geographers WALT - understand key aspects of Brazil/Amazon so that we can clearly explain them to an audience Link to challenge outcome (for weeks learning) Chn will produce a fact file about Brazil so they can understand Geographical, Scientific and cultural features of the country.

https://tropical-rainforest-facts.com/Amazon-Rainforest-Facts/Amazon-Rainforest-Birds-Facts.shtml

As Scientists WALT- understand how a foetus develops in a womb (Lesson 2)

Area of learning: Ordering and comparing fractions

Skills

Children explore equivalent fractions using models and concrete representations.
They use models to make the link to multiplication and division. Children then apply the abstract method to find equivalent fractions.

Knowledge of skills:
Mixed numbers to improper
fractions and vice-versa
Number sequences
Ordering and comparing
fractions greater than 1

Mental maths
Finding fractions of numbers, $\frac{1}{2}$ of, $\frac{1}{4}$ of etc

Purpose: Writing to persuade

Text type: Speech to convince the public to support our cause

Text: No one is to small to make a difference by Greta Thunberg

Knowledge and skills:

- Use simple and compound sentences
- Identify and use
- · Coordinating and subordinating conjunctions
- Use a wide range of punctuation accurately and consistently
- Recognise and use abstract nouns
- Use emotive language and exaggeration

Vocabulary: Climate, climate change, pollution, footprint, deforestation and carbon footprint

WHAT IS THE CLIMATE CRISIS FACING THE BRAZILLIAN RAINFOREST?

(Children will explore effects of deforestation and how can our choices effect similar Climate Change disasters)

Killer Questions

Why have parts of the Amazon been cleared? What are the new uses of this land? How do economic choices motivate this?

- G3.3 -As Geographers WALT: Understand land use and economic activity so that we can understand causes of climate change Outcome: Children will explore the cause and effect of climate change.
- $\mbox{G3.1}$ $\mbox{As Geographers WALT:}$ explain the environmental effects of deforestation.
- G3.2 -As Geographers WALT: Compare the effects of deforestation in Brazil and the UK so that we can prevent future decline.

 Outcome: Chn will use their knowledge from previous lesson and compare v effects using a venn diagram.

Link to challenge outcome (for weeks learning) Chn will identify and collect facts of effects of deforestation. We will use this knowledge to begin to understand the effect on The Amazon that humans are creating.

As Scientists WALT- understand how we change through puberty School nurses talk for thus week?

(PSHE – B318 – identify changes in my body

PSHE B3.19 - I can recognise emotions may change as well as body)

Area of learning: Addition of fractions

Skills
Children build on their equivalent fraction knowledge to compare and order fractions less than 1 where the denominators are multiples of the same number. Children compare the fractions by finding a common denominator or a common numerator. They use bar models to support their understanding.

Knowledge of skills: Order fractions Add fractions within 1 Add 3 or more fractions

Mental maths
Mentally convert mixed
numbers to fractions and
vice versa

Purpose: Writing to persuade

Text type: Persuasive advert/poster to convince the public to save & rebuild the world coral reefs, (relates to key text)

Text: No one is to small to make a difference by Greta Thunberg

Knowledge and skills:

- · Identify and use boastful language
- · Coordinating and subordinating conjunctions
- Use a wide range of punctuation accurately and consistently
- · Use emotive language and exaggeration

Vocabulary: coral reefs, rebuild, public, destroyed, polluted, pollution

HOW CAN WE USE REAL DATA TO PERSUADE COMMUNITIES TO MAKE A CHANGE?

How does population growth and economic activity affect the Amazon environment. Research data and create mathematical graphs, tables etc to build evidence to draw attention of a world issue.

Killer Questions

Can we become a changemaker?
How can we persuade people to make a change?

C3.2e - As Digital Technicians WALT: collect and analyse data Outcome: Children will research figures that show how economic activity has affected the rainforest, i.e. population growth causing building work to create homes and contract the area of the Amazon

C3.d2 - As Digital Technicians WALT: present data so that we can show how the Amazon has contracted and the growth of different types of land use affecting it.

Link to challenge outcome (for weeks learning)
We can show that the Amazon is contracting and that humans are
playing a major role in this. This information can then be used in the
LO for the challenge pack as evidence for the wider issue.

https://malala.org/champions?sc=header

As Scientists WALT- understand how we change through puberty School nurses talk for thus week?

(PSHE – B318 – identify changes in my body

PSHE B3.19 — I can recognise emotions may change as well as body)

	Area of learning: Add and subtract fractions Skills Children recap their Year 4 understanding of adding and subtracting fractions with the same denominator. They use bar models to support understanding of adding and subtracting fractions. Knowledge of skills: Add and subtract fractions Subtract and add mixed number fractions Mental Maths Mental strategies for	Purpose: Writing to persuade Text type: Persuasive advert/poster to convince the public to save & rebuild the world coral reefs, (relates to key text) Text: The Brilliant Deep Knowledge and skills: Identify and use boastful language Coordinating and subordinating conjunctions Use a wide range of punctuation accurately and consistently Use emotive language and exaggeration Vocabulary: coral reefs, rebuild, public, destroyed, polluted, pollution	WHAT ARE THE MOST POPULAR DISHES IN BRAZIL? (Children will explore Brazilian culture and food and make a popular dish) As Design Technicians WALT: explore different dishes across South America during the festive season and identify how these products are grown. Outcome: Class will decide on a dish to cook and explore the ingredients within the recipe. As Design Technicians WALT: use tool and equipment safely to cook our dish. Outcome: Class will cook their dish and come together as a year group to judge and enjoy the food. As Scientists WALT- understand what happens when we become
(14)	making 1 using fractions		<mark>senior</mark>
	Maths – consolidation and evaluation of this term's work	English – how can we apply the skills used this term in our challenge outcome project?	Challenge Outcome: How can we raise awareness of a global issue? Child initiated approach to how they will spread their persuasive/awareness message (link back to ideas around Changemakers, local or national scope) Could they make a video for the Youtube? Write a Blog for the school website? Write a letter to be published in the Birmingham Mail. Link to challenge outcome (for weeks learning) We will be putting together our evidence from the learning that we have completed in order to create a persuasive argument. Child finalise and perform outcome (presentation/speech) -TASC wheel Evaluate our work, how can we display it and make our message long lasting.
(15)			Science: Retrieval and end of unit evaluation (Animals including Humans)