Repton Manor Primary School Medium Term Plan

Creating Use info to create something new	Evaluating Critically examine info and make judgements	Analysing Take info apart and explore relationships			
Applying Use info in a new situation					
Understanding					
Understand and make sense of info Remembering					
Remember and recall info					



Greater Depth Skills

Expected Skills

Emerging Skills

Topic: Journey to the Americas/Out in Space Year Group: 5 Terms: 1 and 2

Subject - Discrete	Maths			
Unit	Place Value	Addition and Subtraction	Multiplication and Division	Fractions

Small Stone	Step 1 Roman numerals to 1,000					
Small Steps	Step 2 Numbers to 10.000	Step 1 Mental strategies	Step 1 Multiples		Step 1 Find fractions equivalent to a unit fraction	
	Step 3 Numbers to 100,000	Step 2 Add whole numbers with more than four digits	Step 2 Common multiples		Step 2 Find fractions equivalent to a non-unit fraction	
	Step 4 Numbers to 1,000,000				0. 70 million 1 had a fee	
	Step 5 Read and write numbers to 1,000,000	Step 3 Subtract whole numbers with more than four digits	Step 3 Factors		Step 3 Recognise equivalent fractions	
	Step 6 Powers of 10	Step 4 Round to check answers	Step / Common inster		Step 4 Convert improper fractions to mixed numbers	
	Step 7 10/100/1,000/10,000/100,000 more or less		Step 4 Common factors		Step 5 Convert mixed numbers to improper fractions	
	Step 8 Partition numbers to 1,000,000	Step 5 Inverse operations (addition and subtraction)	Step 5 Prime numbers		Step 5 convent mixed numbers to improper rections	
	Step 9 Number line to 1,000,000	Step 6 Multi-step addition and subtraction problems			Step 6 Compare fractions less than 1	
	Step 10 Compare and order numbers to 100,000	Star 7 Compare estadation	Step 6 Square numbers		Step 7 Order fractions less than 1	
	Step 11 Compare and order numbers to 1,000,000 Step 12 Round to the nearest 10, 100 or 1,000	Step 7 Compare calculations	Step 7 Cube numbers			
	Step 13 Round within 100,000	Step 8 Find missing numbers	· ·		Step 8 Compare and order fractions greater than 1	
	Step 14 Round within 1,000,000		Step 8 Multiply by 10, 100 and 1,000		Step 9 Add and subtract fractions with the same denominator	
			Step 9 Divide by 10, 100 and 1,000		Step 10 Add fractions within 1	
			Step 10 Multiples of 10, 100 and 1,000		Step 11 Add fractions with total greater than 1	
					Step 12 Add to a mixed number	
					Step 13 Add two mixed numbers	
					Step 14 Subtract fractions	
						Step 16 Subtract from a mixed number - breaking the whole
					Step 15 Subtract from a mixed number	Step 17 Subtract two mixed numbers
	Number: Place Value	Number: Addition and Subtraction	Number Multiplication and Division		Number: Fractions	
Framework objectives	I can read, write, order and compare numbers to at least	I can add and subtract numbers with more than four digits, using formal	Number: Multiplication and Division I can identify multiples and factors, includ finding all factor pairs of a number and co	-		whose denominators are multiples of
	1,000,000 and determine the value of each digit. I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000.	written methods of columnar addition and subtraction. I can use rounding to check the answer to a calculation and determine, in the context of the problem, levels of accuracy.	 factors of two numbers. I can understand and use the vocabulary of prime factors, prime and composite (non-prime) numbers. I can establish whether a number up to 100 is prime and can recall prime numbers up to 19. I can recognise and use square and cubed numbers and the notation for squared and cubed. I can solve problems involving multiplication and 		represented visually (including ten I can recognise mixed numbers and	d improper fractions and can convert rite mathematical statements >1 as a
	I can interpret negative numbers in context and can count forwards and backwards with positive and negative numbers through zero.	I can solve addition and subtraction multi-step problems in context, deciding which operations and methods to use. I can add and subtract numbers			I can add and subtract fractions wi denominators that are multiples o	ith the same denominator and f the same number. I mixed numbers by whole numbers,
		mentally with increasingly large numbers.	division using their knowledge of factors, multiples, squares and cubes.			

I can round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000.		
Read Roman numerals up to 1,000 and recognise different years written in Roman numerals.		

Subjects - Discrete	RE	MFL	Games	PE	Music	Computing	E-Safety
Unit	What is the best way for a Hindu to show commitment to	On holiday	Rounders	Floor Gymnastics	Living on a prayer	Computer Systems and Networks – Sharing information	Copyright and ownership
	God? Is the Christmas story true?	Eating out	Athletics	Hockey	(mage by)	Programming – Repetition in games	Self-image and Identity
Small Steps	 I can use the right amene for things that are special to Heida. I can start to express an opinion about what might be important to inferda. I can alk about one of the ways Hindus show committee to do. I can alk about one of the ways Hindus show committee to do. I can describe some of the ways that Hindus choose to the second start to go the se	Understand unfamiliar language in context when someone else is speaking, including noticing the difference between determiners, recognising that nouns have irregular plurals and adjectives' endings often change to match the noun they are describing. • Read unfamiliar words and phrases with greater accuracy and join in with conversations using complex sentences. Build the confidence to read aloud clearly with expression. • Develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases.	Bowl accurately and with correct technique. Demonstrate understandin g of basic Rounders tactics in a variety of games. Show understanding of the importance of communicati on when running around posts. Strike a ball which has been bowled underarm to specific target areas. Demonstrate a dynamic javelin	Demonstrate understanding of attacking principles in conditioned, small-sided games. Demonstrate understanding of defending principles in conditioned, small- sided games. Demonstrate understandin g of potential solutions to improve the performance of self and others. Demonstrate understandin g of self and others performance v's objectives.		To explain that computers can be connected together to form systems To recognise the role of computer systems in our lives To recognise how information is transferred over the internet To explain how sharing information online lets people in different places work together To contribute to a shared project online To evaluate different ways of	

			Demonst	trate a	Comple	te a 10-piece		working together	
				dynamic		e including a		online	
				heave	minimu				
				throw.		different		Programming	
			Demonst		. .	components.		To develop the use	
				dynamic	Create	a group			
				sling	-	balance with		of count-controlled	
			Domono	throw.	5	people, with		loops in a different	
			Demons	dynamic	all linked	people being together in		programming	
			push	throw.	some	way.		environment	
			Demonst		Demon	•		To explain that in	
			Demons	ability to	Demon	dynamic		programming there	
				maintain a		movements,		are infinite loops	
				smooth	using an	paratus as an		and count-	
			running		obstacle	•			
			0	relevant to		a forward roll		controlled loops	
			distance	covered.	with cor	rect form		To develop a design	
			Hop, ste	p and		and		that includes two or	
				jump in the	techniqu	ue. Executea		more loops which	
				correct	full	spin linking		run at the same	
			sequence	e.	move	with correct		time	
					form	and		To modify an	
					techniqu			infinite loop in a	
						a tuck jump		given program	
						paratus with			
					correct	form and		To design a project	
					Execute	technique.		that includes	
					Execute	arabesque		repetition	
					with	correct form		To create a project	
					and	technique.		that includes	
						luate own		repetition	
						ance and		·	
						offer			
					construc	ctive			
						feedback for			
					improve	ement			
Framewor	I can describe how	Know how to	l can wo	ork as a	I under	stand the	To talk about how the	I know how sharing	Copyright and ownership: I
	different practices	conjugate and use	group a	nd share	value o	f exercise	pulse, rhythm, pitch,	information online lets	can give examples of content
k	enable Hindus to show	the simple past	roles fai		outside		tempo, dynamics and	people in different places work together.	that is permitted to be reused.
objectives	their commitment to	tense in the first and	-		school		structure work	work together.	
	God and understand					,	together and how they	I know how to write	
	that some of these will	third person					connect a song.	complex algorithms with	
	be more significant to	singular.						'if' and 'then' commands.	
	some Hindus than								
	others.								

	I can start to explain the Christian belief that Jesus was the Incarnation of God.	eg: I saw, I went and it had Build a working knowledge of French phonics and apply this to reading and writing new and unfamiliar words with greater accuracy.	To know different ways of writing music down (staff notation, symbols, etc).		
Topic Applicatio n	Christmas Light Show	Year 5 Cooking - Maya Tortillas	Rock Ballad	Space themed game using accurate placement	

Topic	Big Questions	Subject Coverage (Subject, Context)	Learning Opportunities (Lesson order and structure, including small steps)	Objectives Covered (from subject Frameworks)
Class Reader: Rain player SS: Meeting the Maya Face swap live! MM: Thanksgiving celebration FF: Stargazing sleepover	BQ1: Who were the Maya and what was important to them? 3 Weeks Big Answer: Traditional Savoury Meal prepared and cooked.	Reading Rain Player The Maya (literacy shed) The Maya Creation Myth (grammarsaurus) Mayan Gods (literacy shed) Tortilla Recipe (https://www.twinkl.co.uk/res ource/t2-h-5123-new-maya- tortilla-recipe) Sacrifice (literacy shed) What did the Mayans eat? (https://www.twinkl.co.uk/res ource/what-did-the-mayas-eat- fact-file-t-h-1650876774) Writing: Creation Myth	Topic: HIstory - Then and now Lesson 1: Meeting the Maya Lesson 2: Where in History were the Maya - Chronological order Lesson 3: Where did they originate - Geography - How long were they around Lesson 4: Religion and Gods Lesson 5: Maya Number system Lesson 5: Maya Number system Lesson 6: Maya writing Lesson 7: Exploration and Discovery Lesson 8: Maya in the modern world. Lesson 9: Maya Food Lesson 9: Maya Food Lesson 10: Skills lesson - Food - Using traditional methods Lesson 11: Skills Lesson - Food Lesson 12: Skills Lesson - Food Lesson 12: Skills Lesson - Food Lesson 12: The Maya (literacy shed) Lesson 3: The Maya Creation Myth (grammarsaurus) Lesson 4: Summarising Rain Player	History - I can begin to picture what life would have been like in a non-European society that provides contrasts with British history – Mayan civilization c. AD 900. I use dates and historical terms in their work to sequence events and periods in time. I can draw a timeline with different time periods outlined which show different information, such as periods of history, places and when famous people lived. DT - Cooking and Nutrition: I can prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.
		GPS:	Lesson 5: Prediction of Rain Player	

Learning	Relative Clauses	Lesson 6: Mayan Gods (literacy shed)	I can use knives safely to prepare food and then use
Environment	Cohesion	Lesson 7: Tortilla Recipe https://www.twinkl.co.uk/resource/t2-h-5123-new-	heat to cook and prepare savoury dishes using a range
Environment		maya-tortilla-recipe	
•	History:	Lesson 8: Summarising Rain Player	of cooking techniques.
_	Chronological		
NP - Food	-	Lesson 9: Prediction of Rain Player	
and cooking.	knowledge in	Lesson 10: Sacrifice (literacy shed) Lesson 11: What did the Mayans eat?	
NG - Map	comparison in terms	https://www.twinkl.co.uk/resource/what-did-the-mayas-eat-fact-file-t-h-	
work	of other timelines.	1650876774	
THB -	Contrasting ideas	Lesson 12: Summarising Rain Player	
Artefact	contrasting lacas		
History		Lesson 13: Rain Player	
Instory	DT.	Lesson 14: Mayan Cities (Literacy Shed)	
	DT:	Lesson 15: Hero Twins (Literacy Shed)	
	Cooking a flour based	Lesson 16: Rain Player	Writing -
	savoury dish using		I can write legibly and consistently in every piece
	traditional methods	Storytelling: Writing a creation myth	of writing.
		Session 1: HMSS of a Mayan creation myth.	I can proofread my learning for age appropriate
		Session 2: Deepen each section by recalling what happened	
	Life Skills:		spelling and punctuation errors.
		and freeze framing	l can confidently use a dictionary to support
		Session 3: Deepen - draw tree and draw things for levels	spelling.
		Session 4: Deepen - create god/gods (using existing pictures of	I can confidently use a thesaurus to find
		gods and names to create own)	synonyms for words.
		Session 5: Box up the structure	
		Session 6: Shared plot matrix about own creation story (an	I use word endings (-ious, -cious, -cial, -tial).
		animal or plant).	I can write using the features of taught genres,
		Session 7: Create LTC word bank then add detail to boxing up	keeping my audience in mind.
		(use LTC grids for vocab).	I can link ideas within paragraphs to show
		Session 8: Deepen - relative clauses	cohesion.
		Session 9/10/11: Shared write for each section then write own.	
			I can orally rehearse my sentences before writing.
		Review and edit punctuation after EVERY paragraph.	I use the correct tense throughout my writing
		Session 12: vocab and structural editing	most of the time.
		Session 13/14: publishing and sharing.	I can open my sentences in different ways (simile
			openers, adverbials and subordinate clauses.).
			I can identify the purpose of my writing and which
		Storytelling: Writing a kenning	
		Session 1: HMSS of a kenning based on Mayan God	features will create the best impact.
		Session 2: Deepen features of kennings - match up nouns to	I can identify and edit cohesion and standard
		verbs using hyphens to create appropriate ones.	English errors mostly independently through
		Session 3: Deepen - choose God to write about then create	proofreading of my writing.
		vocab for -er/or words eg. world creator (carousel for different	
			I can punctuate most of my sentences accurately
		gods on each table)	for taught punctuation.
		Session 4: Planning - use post it notes to write. Peer assess	
		effectiveness, order etc. Chn swap post its around.	

		Session 5: Write final kenning	GP-
		Session 6: Editing/publishing	I can use relative clauses to add additional
		Storytelling - Character description of Mayan God	information.
		Session 1: Deepening - Sketching using character description -	
		one bad, one good.	
		Session 2: Deepen features of character descriptions.	
		Session 3&4: Deepen - label God then learn how to use	
		descriptosaurus.	
		Session 5: Writing.	
		Session 6: Editing	
		Session 7: Publishing	
BQ2: Why did	Reading	Topic: Research Project	History
the Mayan	To the Stars by Canoe	Lesson 1: Lay out Maya Artefacts - Artefact game	
civilisation	Mayan Cities (Literacy Shed)	Tabard 1- Pupil voice - Group Discussions - Why did the Mayan	I can examine how different cultures have impacted
decline?	Hero Twins (Literacy Shed) The River Trader (literacy shed)	empire decline?	and influenced different civilisations and what we have
	Mae C Jemison (BHM)	Lesson 2: How to look at evidence - Sources Generating good	learned from successes and mistakes from the past.
3 weeks	, , ,	questions to investigate. Tabard 2	I can compare and contrast early and late stages in a studied
		Lesson 3: What do you think? Create an hypothesis	period.
Big Answer:	Writing: Poetry	Lesson 4: Sources - Primary and Secondary - Evaluating good	I can examine causes and results of great events and
Present your		sources.	the impact of these.
findings in your	000	Lesson 5: Evidence - What can we find out? Research lesson	I use a wider range of sources to answer questions and
own way.	GPS:	Lesson 6: Research lesson - Reevaluate question.	test hypotheses.
		Lesson 7: Geography - Additional information - Why did 90% of	I can evaluate primary and secondary sources and
	History:	the Maya disappear around 900 AD.	make simple inferences, comparing accounts from fact
	Enquiry Skills -	Lesson 8 - Research lesson - Where is your investigation	or fiction.
	Running a historical	leading you.	
	-	Lesson 9 - Presenting your findings.	
	enquiry.	Lesson 10 - Presenting your findings	Writing
	C		I can write legibly and consistently in every piece of writing. I can proofread my learning for age appropriate spelling and
	Sources and evidence.	Reading	punctuation errors.
		Lesson 1: Prediction of To the Stars by Canoe	I can confidently use a dictionary to support spelling.
	Life Skills:	Lesson 2: Mayan Cities (Literacy Shed)	I can confidently use a thesaurus to find synonyms for words. I use word endings (-ious, -cious, -cial, -tial).
	Life Okiiis.	Lesson 3: Hero Twins (Literacy Shed) Lesson 4: Summarising To the Stars by Canoe	I can write using the features of taught genres, keeping my audience
		Lesson 4. Summarising to the Stars by Canoe	in mind.
		Lesson 5: Prediction of To the Stars by Canoe	I can link ideas within paragraphs to show cohesion.
		Lesson 6: The Maya Myth of the Morning Star (TedEd Video)	l can orally rehearse my sentences before writing. I use the correct tense throughout my writing most of the time.
		Lesson 7: The River Trader (literacy shed) Lesson 8: Summarising To the Stars by Canoe	I can open my sentences in different ways (simile openers, adverbials
			and subordinate clauses.).
		Lesson 9: Prediction of To the Stars by Canoe	I can identify the purpose of my writing and which features will
		Lesson 10: The Maya Myth of the Moon Goddess (TedEd Video)	create the best impact. I can identify and edit cohesion and standard English errors mostly
		Lesson 11: Summarising To the Stars by Canoe Lesson 12: Test Practice (independent comprehension)	independently through proofreading of my writing.

			I can punctuate most of my sentences accurately for taught punctuation. GP- I can use adverbials to begin my sentences.
BQ3: How different is the Big Apple? Big Answer: Lap book creation	Reading:The Man Who Walked BetweenThe TowersLady Liberty (Literacy Shed)Famous Landmarks (Literacy Shed)The Gold Rush (Literacy Shed)A Letter Home (Literacy Shed)Who is Kamala Harris?(grammarsaurus)Writing: NarrativeGPS:Geography:Map skills- Locatingmajor citiesComparing andcontrasting NorthAmerica New York andAshford town.DT:Create a skyscraperstructure- usingknowledge of complexstructures.Life Skills:	Topic: Maps and North America - Lap book Study - New York Vs Ashford Lesson 1: Location in relation (globle game) Lesson 2: Settlement shapes Lesson 3: States v Counties (picture of where chn live, pic of NY child) Lesson 4: Major cities - New York New York Lesson 5: Towns and cities - comparison. Lesson 7: Human features - famous buildings, road systems Lesson 8: Lap Book comparison Lesson 10: Louis Sullivan Study - Lesson 11: Skyscraper Project - DT - look at how to strengthen joins Lesson 11: Skyscraper Project - DT - try to strengthen pre-made structure Lesson 12: Skyscraper Project - DT - make own to hold orange out of paper straws Reading Lesson 1: Prediction of The Man Who Walked Between The Towers Lesson 3: Famous Landmarks (Literacy Shed) Lesson 4: Summarising The Man Who Walked Between The Towers Lesson 5: Prediction of The Man Who Walked Between The Towers Lesson 5: Prediction of The Man Who Walked Between The Towers Lesson 7: A Letter Home (Literacy Shed) Lesson 8: Summarising The Man Who Walked Between The Towers Lesson 9: Prediction of The Man Who Walked Between The Towers Lesson 9: Prediction of The Man Who Walked Between The Towers Lesson 11: North American Biomes (grammarsaurus)	
		Session 8: Deepen - Commas for ambiguity Session 9/10: Shared write for each section then write own. Review and edit punctuation after EVERY paragraph.	

		Session 12: vocab and structural editing Session 13/14: publishing and sharing.	
BQ4:Why do we have day and night? SS: Stargazing Experience www.wonderdo me.co.uk Big Answer: Christmas Light show	ReadingPrediction of Man on the Moon(a day in the life of Bob) bySimon BartramThe Moon (literacy shed)The ISS (literacy shed)The Skies Above My Eyes byCharlotte Gullain & YovelZommerThe Depths (literacy shed)ere We Are by Oliver JeffersMars Achieved (literacy shed)ere We Are by Oliver JeffersMars Achieved (literacy shed)Adrift (literacy shed)GPS:Science -Earth and SpaceGravity.Art:Colour mixingworkshop - Earth andspace art pieceLife Skills:	Topic: Lesson 1: The solar system Lesson 2: Planets in the solar system Lesson 3: Explaining day and night Lesson 4: Proving the Earth is round Lesson 5: Phases of the moon and orbits Lesson 6: Exploring shadows cast throughout the day Lesson 7: Art: colour mixing Lesson 8: Art: Creating planet using colour mixing Reading Lesson 1: Prediction of Man on the Moon (a day in the life of Bob) by Simon Bartram Lesson 2: The Moon (literacy shed) Lesson 3: The ISS (literacy shed) Lesson 4: Summarising of Man on the Moon (a day in the life of Bob) by Simon Bartram Lesson 5: Prediction of The Skies Above My Eyes by Charlotte Gullain & Yovel Zommer Lesson 6: The Depths (literacy shed) Lesson 7: Orbiting the Sun (literacy shed) Lesson 7: Orbiting the Sun (literacy shed) Lesson 11: Adrift (literacy shed) Lesson 12: Summarising of The Skies Above My Eyes by Charlotte Gullain & Yovel Zommer Lesson 12: Summarising Here We Are by Oliver Jeffers Lesson 12: Summarising Here We Are by Oliver Jeffers Lesson 12: Summarising Here We Are by Oliver Jeffers Lesson 12: Deepen - cohesion using adverbials of time	 Science Earth and Space: I can describe the movement of the Earth, and other planets, relative to the Sun in the solar system. I can describe the movement of the Moon relative to the Earth. I can describe the Sun, Earth and Moon as approximately spherical bodies. I use the idea of the Earth's rotation to explain da and night and the apparent movement of the sun across the sky. Forces: I can explain that unsupported objects fall toward the Earth because of the force of gravity acting between the Earth and the falling object Art They can mix and match colours to create atmosphere and light effects. Music To talk about how the pulse, rhythm, pitch, tempor dynamics and structure work together and how they connect a song. To know different ways of writing music down (staff notation, symbols, etc). To know notation is the connection between sour and symbol

	Music - topic application for rock Lesson 1: Beat and Rhythm Lesson 2: Notations Lesson 3: Notations Lesson 4: Music Explorer Lesson 5: Compose Lesson 6: Compose & Perform	
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British Values:			
Democracy	Rule of law	Individual liberty	Mutual respect and tolerance
			·
			Mutual Respect
			• Equality and Diversity