	Year: 6 Term: Spring 1			
Introduction:				
	ne school is 'Imagination and N			
• •	understand how important the	5,5		
	d when thinking about the futur			
	the way that Britain works. The			
	plution was and also of how inv			
•	es room) and the internet have			
	agine what life was like before			
	rough the mind of the inventors			
	agine what the future holds for t			
	regarding inventions on Espres			
	modules/news/first_news/schoo			
	<u>urce-keywords=inventions</u>).Bef			
	the children that the mobile pho			
someone asked the question:	When I want to call a person,	why do I have to phone a		
place?' What questions shou	ld we be asking that could lead	to the next big invention?		
English	Maths	History		
Fairy Tales and Traditional	Measurements, area and	How do you invent an		
Tales	perimeter, algebra	idea?		
Writing and retelling well-	-	Pupils should be taught		
known tales, writing		about a study of an aspect		
		or theme in British history		
prequels, merging tales to write alternative versions		that extends pupils'		
using the texts:		chronological knowledge		
using the texts.		beyond 1066: how different		
Blackberry Blue		inventions have changed		
The Sleeper and the Spindle		how we live.		
(Neil Gaiman)				
Art and Design	Design and Technology	PSHE and Citizenship		
	5	Dreams and Goals		
Painting and Mixed Media	Mechanical systems	Jigsaw scheme of work		
Artist Study	Automata toys	Dreams and Goals		
Science	RE	Computing		
Electricity	2022 Newham Agreed	NCCE Scheme of Work		
	Syllabus	Programming A		
	-	Variables in games		
	How important are the			
	similarities and			
	differences between and			
	within religions?			
	Investigating the relationship			
	between secular and			
	religious world views.			
	-			
1				
	What qualities are important			
	What qualities are important to religious leaders?			
PE		Spanish		
PE Specialist teacher	to religious leaders?	Spanish Travelling around Europe		
	to religious leaders? Music			
Specialist teacher	to religious leaders? Music	Travelling around Europe		
Specialist teacher Parkour	to religious leaders? Music	Travelling around Europe Children will learn the		
Specialist teacher Parkour Class teacher	to religious leaders? Music	Travelling around Europe Children will learn the names of some European		
Specialist teacher Parkour Class teacher	to religious leaders? Music	Travelling around Europe Children will learn the names of some European countries, their capitals and		
Specialist teacher Parkour Class teacher	to religious leaders? Music	Travelling around Europe Children will learn the names of some European countries, their capitals and flags in Spanish. They will		

Big Question: How do you invent an idea?

Links to the National Curriculum (what must be covered) and assessment descriptors:

English

Word reading

- Apply their growing knowledge of root words, prefixes and suffixes (morphology and etymology), as listed in English Appendix 1, both to read aloud and to understand the meaning of new words that they meet:
- Words with the /i:/ sound spelt ei after c
- Words containing the letter-string ough
- Endings which sound like /ʃəs/ spelt -cious or -tious

Comprehension

- Summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas
- Explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary
- Identifying and discussing themes and conventions in and across a wide range of writing
- Maintain positive attitudes to reading and understanding of what they read by: making comparisons within and across books
- Distinguish between statements of fact and opinion

Writing Transcription

• Use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary

Writing Composition

- Plan their writing by: in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed
- Draft and write by: in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
- Plan their writing by: noting and developing initial ideas, drawing on reading and research where necessary
- Draft and write by: using a wide range of devices to build cohesion within and across paragraphs

Vocab, Grammar, Punctuation

- Devices to build
- cohesion, including adverbials of time, place and number
- Using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun (App2)
- Verb prefixes: e.g. dis-, de-, mis-, over-, re-

Maths

Measurements, area and perimeter, algebra

History

Pupils should be taught about a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066: how different inventions have changed how we live.

Working towards	Expected	Greater depth
I can name a few important	I can examine and analyse	I can examine and analyse a
inventions and explain in basic	sources of information and	variety of evidence and explain
detail how they have impacted the	explain how they demonstrate	how it proves/disproves who
way we live today.	that certain inventions have	invented key inventions.
	changed the way we live.	

Art and Design

Pupils who are secure will be able to:

- Understand a narrative and use descriptive language to tell a story.
- Suggest ideas for the meaning behind a picture.
- Identify different features within a painting and use the formal elements to describe it.
- Be creative and imaginative in finding their own meaning in a painting.
- Use their own art or personal experiences to justify their ideas.

- Read a picture well and see beyond the first glance, analysing and evaluating it successfully.
- Reflect on personal experiences to convey through their own piece of abstract art.
- Contribute to discussions to either the class, group or talk partner.
- Understand and choose a meaningful message to convey through imagery, creating some different composition ideas.
- Select an appropriate artist.
- Collect a range of information that is presented in an interesting and pleasing way in sketchbooks.
- Generate an idea for a final piece, demonstrating some inspiration from their chosen artist.
- Produce a final piece of work, selecting appropriate tools and materials to create an intended effect.
- Experiment and revisit ideas, drawing on creative experiences.
- Work in a sustained way to complete a piece, making evaluations at each stage.

Design and Technology

Pupils who are secure will be able to:

- Mark, saw and cut out the components and supports of their toy with a varying degree of accuracy to the intended measurements.
- Follow health and safety rules, taking care with the equipment.
- Attempt a partial assembly of their toys using an exploded-diagram, following a teacher's demonstration.
- Develop a design idea with some descriptive notes.
- Explore different cam profiles and choose three for their follower toppers with an explanation of their choices.
- Create neat, decorated follower toppers with some accuracy.
- Measure and cut panels that fit with some inaccuracies to conceal the inner workings of the automata.
- Decorate and finish the automata to meet the design criteria and brief.
- Evaluate their finished product, making descriptive and reflective points on function and form.

PSHE and Citizenship and Emotional Literacy/Social Skills

- 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 understand why it is important to stretch the boundaries of my current learning.
- I can work out the learning steps I need to take to reach my goal and understand how to motivate myself to work on these. I can set success criteria so that I will know whether I have reached my goal.
- I can identify problems in the world that concern me and talk to other people about them. I recognise the emotions I experience when I consider people in the world who are suffering or living in difficult situations.
- I can work with other people to help make the world a better place. I can empathise with people who are suffering or who are living in difficult situations.
- I can describe some ways in which I can work with other people to help make the world a better place. I can identify why I am motivated to do this.
- I know what some people in my class like or admire about me and can accept their praise. I can give praise and compliments to other people when I recognise their contributions and achievements.

Working Towards	Working At	Working Beyond	
I can tell you about	I can describe some ways in	I can describe a range of	
something I can do, working	which I can work with other	ways in which I can work	
with other people, to help	people to help make the	with other people to make	
make the world a better	world a better place.	the world a better place, and	
place.	I can identify why I am	explain and justify my	
I can tell you how I feel	motivated to do this.	group's chosen course of	
about people in the world		action.	

who face hardship in their lives.		I can show how our choice is based on an awareness of the experience and the needs of the people affected.
affected by voltage in circuits recognised symbols when rep	the brightness of a lamp or the and be able to give reasons for presenting a simple circuit in a c	volume of a buzzer is this. They will use
Pupils should explore the role	o present day religious leaders of at least three different religion hat they do; they will also learn and secular leaders.	ous leaders in the local
Working towards: I can describe the basic roles and duties of a religious leader.	Expected: I can describe the roles and duties of religious leaders from several religions and list the qualities they should have.	Greater depth: I can describe the roles and duties of religious leaders from several religions, and secular leaders, I can compare and contrast the qualities they should have and explain why they are important in the world of politics.
First, learners find out what va that can be set and changed. scoreboard. In Lessons 2, 3, experiment with variables in a own project. In Lesson 4, lear	t of variables in programming the ariables are and relate them to Then they use variables to create and 5, which follow the Use-Mo n existing project, then modify rners focus on design. Finally, and design to improve their gam	real-world examples of values eate a simulation of a odify-Create model, learners them, before they create their in Lesson 6, learners apply
PE Parkour Dance		
Music Fantastic Creatures (Bates)		
Spanish	ask and answer questions, expl ion and help.	ress opinions and respond to
Educational Visits and Visit -Young Imagineers Project -Science Museum - Youth VA- Bethnal Green	ors	
 Sequence of Key skills/obje Understand what the Indu modern Britain. 	ctives/context (Key teaching strial Revolution was, its signifi- al Revolution – key inventions.	
Key Vocabulary legacy, primary/secondary so	urce, agriculture, 20th century, , cause, effect, chronology, imp	
Additional Information https://www.bbc.co.uk/teach/c industrialisation/zmmx6v4 - In	lass-clips-video/history-ks1-ks2	2-explain-this-
 Evidence in the books and of History Timelines, artefacts and p 		

• End of term projects on what they consider to be the most important invention of all time.

PSHE

• The children will have written about their dreams and goals.

Outcomes:

History

- The children will have examined various sources of information to research inventions and inventors and will have learnt how to analyse evidence and judge its trustworthiness.
- The children will understand that most inventions are the resulting work of a group of people and that the ideas formulate over a long period of time.
- The children will understand that inventions are continuing to occur and that they have the ability to become an inventor in the future.
- The children will be able to imagine what it was like in Britain before these inventions.
- The children will have a basic understanding of the term 'industrial revolution'.
- The children will be able to name famous inventors and their inventions and be able to articulate their impact on Britain.
- The children will be able to talk about the problems that Britain faces at the moment and imagine what inventions may be created in the future in order to solve these problems.

PSHE

- The children will understand the need to have realistic but challenging goals and dreams and will be able to plan on how to achieve them.
- The children will understand how they can help to make a difference in this world.

Helpful Websites

inventors.

SMSC					
Spiritual	Moral	Social	Cultural		
-Awe and wonder at the inspiring inventions and how they have changed the way we live.	-Is an invention always a good thing: can the children name inventions that have had a negative impact?	-How have inventions helped people to get along?	-What inventions have changed our culture?		
BRITISH VALUES					
Democracy	Individual Liberty	Tolerance and	Rule of Law		
-Which inventions promote democracy?	-Do any inventions take away our individual liberty?	Mutual Respect -Have any inventions helped to make us more tolerant?	-What rules should inventors have to follow?		
Links to Rights Respecting Schools					
 Article 15 – the right to meet and join groups. Article 17 – right to reliable information. Article 24 – good quality healthcare. Article 29 – education should develop your personality, talents, mental and physical abilities. Links to Safeguarding Safety around using different types of equipment. Celebrating Heritage 					
Looking at a range of inventors who include examples of people of colour and women					