Year 6: The Forge Curriculum Topic Map

Academic Year 2024-25





Vision:

Challenging educational orthodoxies so that every child makes good progress in all subjects; all teachers are committed to personal improvement and fulfil their responsibilities; all children receive an inspiring curriculum; all academies strive to be outstanding.



THE FORGE TRUST



1. Demonstrate that light travels in straight lines 1. Use recognised symbols when changed to raise questions that can be investigated 1. Use recognised symbols when representing a simple circuit diagram 2. Identify the differ circuitabry system 3. Plan and carry out an investigation based on questions raised 2. Explore now shadows can be investigated 2. Explore resistance and raise questions that can be investigated 3. Carry out an investigation into resistance 3. Describe the strue of the heart withi system 4. Identify light sources, reflected light and the impact of shadows in the context of the phases of the moon 3. Describe how a prism changes ray of light 4. Apply knowledge of circuits to construct a quiz-board using bulbs and buzzers 5. Describe some of the dangers of electricity 5. Describe how the gystem) 6. Be aware of significant developments in the understanding and use of electricity 0. Describe the different heart healthy lifestyle History Unit 6.1: World War One 1. Explain some of the causes of World War One 1. Explain some of the 2. Describe how the experience of war changed the way people rushed to volunteer to fight in the war 1. Explain some of the 2. Explain why many people rushed to volunteer to fight in the war 1. Explain how prop 3. Explain how prop 5. Explain why the War of 1914-1918 is known as a World War 1. Explain how prop 4. Describe count key turnel 5. Recount key turnel 5. Explain how prop 3. Explain how prop 5. Explain how prop	 posite parts of blood heir function ferent parts of the em and describe the h part ructure and function thin the circulatory 1. Know that small adaptations over time lead to evolution 1. Classify animals into broad groups (reptile, amphibian, bird, mammal, fish) 1. Classify animals into broad groups (reptile, amphibian, bird, mammal, fish) 2. Explore the differences between plants of the same species (investigation) 3. Recognise how living things change over time in response to their environments 4. Describe the development of a baby from conception to birth 3. Recognise how living things change over time in response to their environments 4. Describe the development of a baby from conception to birth 3. Recognise how living things change over time in response to their environments 4. Describe the development of a baby from conception to birth 3. Define different groups of invertebrates: arthropods (insects, crustacea, arachnids, millipedes) 4. and annelids (worms and
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 Describe different responses to the start of the war Explain why many people rushed to volunteer to fight in the war Describe how the experience of war changed the way people saw it Explain why the War of 1914-1918 is known as a World War Describe some of the consequences of World War 1 Recount key turni Describe the end 	Unit 6.2: World War Two Unit 6.3: The Changing Role of the Monarchy
	 Define absolute power in the context of the monarchy Explain how Magna Carta meant the King no longer had absolute power Describe some of the ways the monarch had become less powerful after the coronation of William and Mary Compare different views of Victorian Britain using sources Explain why many people wanted changes to elections in
Geography Unit 6.1: Fairtrade 1. Locate countries around the globe that trade with Panama 2. Describe how shopping decisions in the UK can affect farmers in the Cote D'Ivoire 3. Identify countries and crops involved in Fair-Trade around the world	



						6. Investiga					
Subject											
RE	Unit 6.1: Islam		Unit 6.2: Christianity Do Christmas celebrations and	Unit 6.3: Christianit	-		4: Christianity	Unit 6.5: Islam	a Alchirah (lifa		<u>6: Islam</u> Does belief in Akhirah (life
	What is the best way to show commitment	to God? tr	raditions help understand who esus was and why he was born?	Is anything ever eterna	d) f		anity still a strong religion ars after Jesus was on	Part 1 – Does belief in and death) help Musl lives?	•		th) help Muslilms lead good
PHSE	<u>Unit 6.1: Me and M</u> <u>Relationships</u>	<u>¥ L</u>	Unit 6.2: Valuing Difference	Unit 6.3: Keeping Sa	afe	<u>Unit 6</u>	6.4: Rights and Respect	Unit 6.5: Being my	<u>Best</u>	<u>Unit 6.</u> Changi	<u>6: Growing and</u> ing
	 Assertiveness Cooperation Safe/ unsafe touches Positive relationships 	2. F 2. J 3. U	Recognising and celebrating difference Recognising and reflecting on orejudice-based bullying Jnderstanding bystander behaviour Gender stereotyping	 Understanding emotion Staying safe online Drugs: norms and risks the law) 	s (including	 Caring: environi Earning 	anding media bias communities and the nent and saving money anding democracy	 Aspirations and goal s Managing risks Looking after my mer 	-	 Coping Keeping Body im Sex edu Self-est 	nage Jucation
PE	Real PE: 6.1 Coordin agility	nation and Rea	I PE: 6.2 Dynamic balanne and counter balance	Real PE: 6.3 Static ba coordination		<u>Real F</u>	E 6.4 Static balance	Real PE: 6.5 Dynamic agility and static		<u>Real PE</u> :	<u>: 6.6 Coordination and</u> agility
	Cog Focus: Persona	al C	Cog Focus: Social	Cog Focus: Cognitiv	re	Cog Fo	cus: Creative	Cog Focus: Applyir	ng Physical	Cog Fo	cus: Health and Fitness
	 I can create my own l and revise that plan w necessary. I can accept feedback and make ch I see all new challenge opportunities to learn I recognise my streng 	hen thot critical I hanges fees as of and develop. this and I	can involve others and motivate hose around me to perform better can give and receive sensitive eedback to improve myself and thers. I can negotiate and ollaborate appropriately cooperate well with others and	 I can review, analyse a my own and others' str weaknesses and I can react to different game they develop I have a clear idea of h develop my own and of 	rengths and read and e situations as now to thers' work. I	about to and crea audience I can res different adjusting	pond imaginatively to situations, adapting and g my skills, movements or	 I can effectively transmovements across a activities and sports. a variety of skills conseffectively in challeng competitive situations I can use combination 	range of I can perform sistently and ing or s ns of skills	different to be me activity/ follow m program • I can se	If select and perform
	 weaknesses and can s appropriate targets I cope well and react when things become of persevere with a task improve my performant regular practice 	positively a difficult. I can th and I can nce through	ive helpful feedback. I help organise roles and responsibilities nd I can guide a small group hrough a task	 can recognise and suggo of play which will increase of success and I can demethods to outwit opperation. I can understand ways judge performance and identify specific parts to work upon. I can use no of space and others to decisions 	ase chances evelop onents (criteria) to d I can o continue to ny awareness make good	 I can linl sequence express change t make ac challeng 		 confidently in sport sp contexts. I can perfor skills fluently and acc practice situations I can perform a varie movements and skills body tension. I can lin together so that they running, jumping and activities 	m a range of urately in ty of with good nk actions flow in throwing	 activities dangers I can de compon and how be healt monitor 	iate warm up and cool down s. I can identify possible when planning an activity escribe the basic fitness ents and explain how often v long I should exercise to hy. I can record and how hard I am working
Computing	Unit 6.1: Coding	Unit 6.2: Online S	afety Unit 6.3: Spreadsheets	Unit 6.4: Blogging	Unit 6.5 advent		<u>Unit 6.6: Networks</u>	<u>Unit 6.7: Quizzing</u>	<u>Unit</u> Understand		Unit 6.9: Spreadsheets with Microsoft Excel
	 Designing and making a more complex programme Designing and making a more complex programme Using functions Flow charts and control simulations User input 	 Message in a ga Online behaviou Screen time 		 What is a blog? Planning a blog Writing a blog Sharing posts and commenting 	 What is to adventure Planning adventure Making a adventure Introducin based tex adventure 	e a story e story based e game ng map kt	 The world wide web and the internet Our school network and accessing the internet Research 	 Introducing 2DIY Using 2Quiz Using 2Quiz Exploring grammar quizzes A data base quiz Are you smarter thar a ten or (eleven) year old? 	 What is bi Counting is Converting decimal to Game state 	in binary g from o binary	 What is a spreadsheet Basic calculations Modelling Organising data Advanced formulae and big data Charts and graphics Using a spreadsheet to plan a cake sale



Music	Unit 6.1: World unite Musical focus: Step, dance, performance	<u>Unit 6.2:</u> Musical focus	Journeys 5: Song, cycle, rmance	<u>Unit 6.3: Growt</u> Musical focus: Street performance	_	<u>U</u> Musica	I focus: Mini musical performance	<u>Unit 6.5: (</u> Musical focus perfo	s: a\
ma	latenais [101 example, pencil, charcoal, pa					pencil, t	cnarcoai, paint, ciayj.		•
ski Ain • • Su •	 Unit 6.1: Art inspired by wartime portection of the second poetry of the second proficient in drawing, painting other art, craft and design techniques, Evaluate and analyse creative works u of art, craft and design. ubject content To create sketch books to record the second proficient in drawing, painting other art, craft and design. 	 Unit 6.2 : Victorian Silhouettes (Queen Victoria) Aims Produce creative work, exploring their ideas and recording their experiences; Become proficient in drawing, painting, sculpture and other art, craft and design techniques; Evaluate and analyse creative works using the language of art, craft and design. Subject content To create sketch books to record their observations and use them to review and revisit ideas; To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]. 			 Unit 6.3: Da Vinci to Lowry (Representing people in art) Aims Produce creative work, exploring their ideas and recording their experiences; Become proficient in drawing, painting, sculpture and other art, craft and design techniques; Evaluate and analyse creative works using the language of art, craft and design. Subject content To create sketch books to record their observations and use them to review and revisit ideas; To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]. 				

			8.	Using a spreadsheet to solve problems			
• B • C • E	roduce creative ecording their e ecome proficie ther art, craft a valuate and an f art, craft and	nt in drawing, and design tech alyse creative design	ng th pain nniqu work	neir ideas and ting, sculpture and ues ss using the language			
a tt Subje • T u • T ir m	 Know about great artists, craft makers and designers, and understand the historical and cultural development of their art forms. Subject content To create sketch books to record their observations and use them to review and revisit ideas To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay] Learn about great artists, architects and designers in history. 						
lass aw	<u>vards</u>	<u>Uni</u>	t 6.	6: Moving on			
award mance	s, show,			: Leavers assembly formance			
to cele ents at t		2 songs, one forward, and	perf look a m	-			
to cele ents at t	brate the the end of al awards	2 songs, one forward, and them provide	look a m a m	formance ing back, one looking usical device for linking			



Subjects				
	Unit 6.3: War Time Fruit Cake	 Unit 6.4: Electronic Quiz Board Design Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups; Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. Make Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately; Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work; Understand how key events and individuals in design and technology have helped shape the world. Technical knowledae Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]. 	 Unit 6.1: Fairtrade Products (Suggested activities: children design, make and evaluate a Fairtrade product including packaging) Design Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups; Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. Make Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately; Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Mutrition Understand and apply the principles of a healthy and varied diet. Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques; Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. 	 Unit 6.2: Bridges (suggested activities Bridge in Shropshire designed by Bruns strength of semi-circle/triangulation) Design Use research and develop design of inform the design of innovative, fu appealing products that are fit for aimed at particular individuals or g Generate, develop, model and com their ideas through discussion, and sketches, cross-sectional and explo diagrams, prototypes, pattern piece computer-aided design. Make Select from and use a wider range and equipment to perform practica [for example, cutting, shaping, join finishing], accurately; Select from and use a wider range materials and components, includin construction materials, textiles and ingredients, according to their func properties and aesthetic qualities. Evaluate Investigate and analyse a range of products; Evaluate their ideas and products a their own design criteria and consi- views of others to improve their ww. Understand how key events and in in design and technology have help the world.

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Unit 6.5: The Summer Fair (Suggested activities: motors, fairground rides e.g. Ferris wheels)

<u>Design</u>

- Use research and develop design criteria to • inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups;
- Generate, develop, model and communicate • their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

<u>Make</u>

- Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately;
- Select from and use a wider range of • materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

<u>Evaluate</u>

- Investigate and analyse a range of existing products;
- Evaluate their ideas and products against • their own design criteria and consider the views of others to improve their work;
- Understand how key events and individuals • in design and technology have helped shape the world.

Technical knowledge

- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures;
- Understand and use mechanical systems in • their products [for example, gears, pulleys, cams, levers and linkages];
- Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors];
- Apply their understanding of computing to program, monitor and control their products.



Additional Commentary

Vision:

Challenging educational orthodoxies so that every child makes good progress in all subjects; all teachers are committed to personal improvement and fulfil their responsibilities; all children receive an inspiring curriculum; all academies strive to be outstanding.

A. Curriculum Design

Rigour in planning and delivery, including excellent modelling, demonstrations and clarity is a pre-requisite for implementing curriculum design.

"Teachers teach techniques and a technique becomes a skill when it is applied independently"

Out of the three main designs for curriculum (knowledge, knowledge-engaged and skills-led), all subjects in our curriculum are knowledge-engaged. Knowledge engaged means knowledge is taught with a view to children applying this knowledge through thoughts, physical skills or actions. For example, in writing or problem solving. Reference can be made to Bloom's Taxonomy.

B. The 'golden threads' in our curriculum are as follows:

- 1. Standards: pupil achievement in reading, writing, speaking & listening and maths (especially important in white working-class areas for children to go on and achieve);
- 2. Aspirations (typically white working class children lack aspiration for many reasons, and can often lack knowledge about 'pathways');
- 3. Cultural diversity and preparing children for 'Modern Britain'.

INTENT = TRUST LEVEL IMPLEMENTATION = ACADEMY LEVEL IMPACT = ACADEMY LEVEL AND TRUST LEVEL



The Three 'I's of Curriculum

INTENT : The 'top level' view of the curriculum. It is 'what is on offer'.

Key Question: Why are children taught what they are in Forge schools?

Answer: The Executive Senior Leadership Team of the trust believe strongly that all schools should follow the National Curriculum Framework 2013. Approximately 80% of the content is standardised in every year group, with 20% autonomy for schools to make 'local' decisions fitting the context of the school.

Key Question: Why were the curriculum decisions made?

Answer: Our catchment areas are predominantly White British, many of them serving areas of deprivation and challenge. As a result, we must equip children with the necessary basic skills in Mathematics, English and Science so that they can succeed in life. Being sufficiently skilled in these areas gives children 'currency' to go on and access higher qualifications and courses when they leave primary school. Therefore, **standards** are a golden thread in the curriculum that will give children the necessary cultural capital required. In our context it is imperative that we prepare children for life in modern Britain by making sure they are taught about different cultures and faiths. We aim for our children to be tolerant and understanding of people who appear to be 'different'; consequently cultural diversity is also a golden thread. In our schools, the social mobility agenda is very important given the nature of our catchments, therefore aspiration is another golden thread thoughout our curriculum. Linked closely to aspiration is our speaking and listening curriculum, that prepares children and builds their public speaking skills through four key areas: speaking skills; listening skills; awareness of audience and non-verbal communication.

Key Question: Who made the curriculum decisions?

Answer: The curriculum in place is 'layered', with 7 stages to the planning process at The Forge Trust. Below is a description of each planning stage as well as key personnel who contributed at the various stages:

Stage 1: Curriculum Map

Curriculum maps are in place for all Year Groups showing National Curriculum references for all subjects as well as coverage (local Curriculum/context 20% and National Curriculum 80% trust standardised). They also highlight our curriculum drivers: standards, cultural diversity and aspiration. The Executive Senior Leadership Team prepared this stage: the CEO, Deputy CEO, Consultant Principal and Principals. A high degree of control and expertise was imperative at this stage to ensure the highest quality and maintain a strategic overview.

Stage 2: Medium Term Planning Support & Year Group Connections-This document builds on the content taught in previous years. It includes learning objectives, success criteria and phases of lessons for each topic. It is a working document that is designed for subject leaders and teachers in each school to access so that standards in the subject can be measured and checked. Each topic has an A4 Learning Journey and Assessment Concept Pyramid. The CEO, Deputy CEO and Consultant Principal (ESLT) prepared this documentation liaising with the trust's network leaders to finalise the documentation ready for September 2020. This ensured standardisation of approach in each school and ensured assessment is mirrored in each school.

We have Learning Journeys in place and we use Concept Pyramids to assess in science, history, geography and RE. Concept Pyramids include the key concepts and vocabulary covered in a topic and these form the basis for assessment (pre and end tests). Assessment involves children completing pre and end-tests in books, and teachers can then measure progress at the end of the topic. Learning Journeys give an overview of the coverage highlighted in Stage 2 planning (Medium Term Planning Support and Year Group Connections). Teachers refer to these at the beginning of every lesson. A 'reflection box' is a feature of all Learning Journeys where children can reflect on what they have learnt and what they still need help with understanding. Teachers should use this information to aid feedback and next steps.

Stage 3: Short-Term planning (which includes individual lesson plans). Class teachers are fully responsible for their own planning, even where planning is shared between the teachers in a year group. They should use the medium term planning support to form their lesson plans, and ensure that they differentiate three ways in lessons (LA/MA/HA) so that all children are appropriately challenged.



IMPLEMENTATION: 'Curriculum is WHAT is taught not HOW' (Ofsted 2018)

WHAT: In core subjects, topics are taught in a systematic way to build on previous learning and ensure maximum understanding. Key vocabulary is highlighted and children have opportunities to use and apply their learning in every lesson. In subjects such as Science, RE, History and Geography topics have a concept wall containing key vocabulary linked to the topic. These concept walls form the basis of assessment criteria, but more importantly guide a meaningful learning journey where lessons are sequenced in a progressive way.

Note: subjects below follow the following schemes:

In RE schools follow the Notts Agreed Syllabus for RE

In Music schools use the Music Express scheme

In PSHE schools use a scheme called 'Jigsaw'. This sits alongside RSE (Relationships and Sex Education) and a Drugs and Alcohol scheme of work.

Process: 1. Teachers plan coverage of a topic listing key vocabulary and concepts on a wall. 2. The concept wall is used as a basis for pre-testing children to assess their knowledge at the start of a topic. 3. Children fill in their empty pyramid with three levels of words and concepts: level 1-words and concepts they already know; level 2-words and concepts they are familiar with but don't have a deep understanding of; level 3-words and concepts that they have no knowledge about at all. 4. The sequence of lessons on the learning journey (scheme of work) with explicit reference to the learning journey at each stage. 5. Reflections on what children have learnt and what they still find difficult are filled in on learning journeys, and an end-test relating to the concept wall is taken. Learning and progress can be measured against the pre-test.

HOW: Individual lessons have learning objectives and success criteria, and the trust's teaching and learning toolkit highlights the areas of the learning cycle that should be evident in a lesson. The toolkit also links to 'pedagogy' that teachers should employ in lessons.

IMPACT

Outcomes are assessed in reading, writing, maths and SPaG at a minimum of three assessment points per year (termly) so that we can accurately track each child. Where year groups are causing a concern, Principals can opt to assess half-termly. We have an exam based system, in line with the accountability system in place nationally. If children can answer questions that represent the taught curriculum in each year group correctly on an exam paper, then we believe that this proves impact. After all, exams are a part of life and provide children with the currency that children need to be succeed. However, although exam papers are only a 'tool' to measure in core subjects, they are not the only measure. We believe in high quality teacher assessment to back up summative judgements. These are linked to ARE grids (age related expectations) in each year group. High quality, ongoing formative assessment happens daily through marking and feedback. Work scrutiny will also show impact and learning.

Ofsted's definition of Curriculum

INTENT: 'A framework for setting out the aims of a programme of education, including the knowledge and understanding to be gained at each stage'.

IMPLEMENTATION: `...for translating that framework over time into a structure and narrative, with an institutional context'.

IMPACT: `...and for evaluating what knowledge and understanding pupils have gained against expectation'