



Furnaces of Fire
Topic Coverage Plan
Upper Key Stage 2
Cycle A

TERM	Subject	OBJECTIVE
L E N T	ENTRY POINT	Class display of a fiery background with a silhouette and the slogan “The Heaven’s reflect our labours.”
	Art and Design	L.O. 1 To develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design. L.O. 3 To be able 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]
	History Knowledge	L.O.10: To be able to study an aspect of local history that continues to develop and extends pupils’ chronological knowledge beyond 1066 (securing knowledge from LKS2).
	History Skills	L.O.1: To continue to develop a chronologically secure knowledge and understanding of British, local and world history, establishing clear narratives within and across the periods they study. L.O.2: To continue to develop and identify connections, contrasts and trends over time and develop the appropriate use of historical terms. L.O3: To regularly address and devise historically valid questions about change, cause, similarity and difference, and significance. L.O.4: To be able to construct informed responses that involves thoughtful selection and organisation of relevant historical information. L.O.5: To be able to understand how our knowledge of the past is constructed from a range of sources.
	Science Knowledge	L.O.18: To be able to compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets (NC5).
	Design and Technology	L.O. 5 To be able to investigate and analyse a range of existing products.
	Art and Design	L.O. 2 To be able to create sketch books to record their observations and use them to review and revisit ideas
	Science Knowledge	L.O.19: To be able to give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic (NC5).



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		<p>L.O.20: To be able to use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating (NC5).</p> <p>L.O.21: To be able to know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution (NC5).</p> <p>L.O.22: To be able to demonstrate that dissolving, mixing and changes of state are reversible changes (NC5).</p> <p>L.O.23: To be able to explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda (NC5).</p>
	Science Skills	<p>L.O.1: To be able to plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</p> <p>L.O.2: To be able to take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</p> <p>L.O.3: To be able to record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</p> <p>L.O.4: To be able to report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.</p> <p>L.O.5: To be able to use test results to make predictions to set up further comparative and fair tests.</p> <p>L.O.6: To be able to identify scientific evidence that has been used to support or refute ideas or arguments.</p>
	Geography Knowledge	L.O.3: To be able to name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time.
	Art and Design	L.O. 4 To be able to know about great artists, architects and designers in history.
	Geography Skills	L.O. 11: To be able to use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.
	Core Curriculum Links (English, Maths)	Recounts/Discursive argument
	Other Curriculum Links (Music, P.E., R.E, P.S.H.E Computing)	Music – Steel Drums R.E. – Easter P.S.H.E – Links with the local community



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		P.E. – Computing – Recording data/analysis/researching products.
	Enrichment Links (trips, community links, visitors)	Visit to the Steel Works/ North Lincolnshire Museum/Visit from a Steel Worker. EAL – Locations of Steel distribution
	Cornerstone Values Links	Wonder Excellence Radiance Prayer and Service
	EXIT POINT	Visit to Appleby Frodingham Railway.