

Extended Learning Projects: Set Three

Year 7

<p>English</p> <p>Create a one-page illustrated factfile about an animal of your choice. How about an octopus, a crow, an elephant or a Greenland shark? Include:</p> <ul style="list-style-type: none"> • A labelled drawing or picture • Key facts (habitat, diet, size, behaviour, threats, adaptations) • At least one interesting or unusual detail <p>Present the information clearly and creatively so a reader could quickly understand what makes this animal unique.</p>	<p>Art</p> <p>Colour Walk</p> <p>Go for a treasure hunt walk and find different examples of colour. Look for things in every colour of the rainbow, one by one. You can photograph or draw each thing you find, write them down and describe them, or just look and notice what you find.</p>	<p>Computing</p> <p>Your mission is to become a futuristic home designer. You will plan and design a "smart home," deciding how technology and networks can make life easier, safer, and more fun.</p> <p>You will create and submit one document which contains the following parts:</p> <ol style="list-style-type: none"> 1. The Smart Home Concept: A visual presentation of your smart home or a single smart room. This could be a labelled floor plan, a detailed diagram, a presentation slide, or another creative visual format. You must show the location of the home's internet router and at least five different smart devices. 2. Device Profiles: For each of your five chosen smart devices, complete a profile card with the following information: <ul style="list-style-type: none"> ○ What the device does. ○ How it connects to the network (e.g., Wi-Fi, Ethernet cable). ○ One benefit of the device. ○ One potential risk or problem with the device.
<p>Maths</p> <p>Research Homer Hickman. Read his biography Rocket Boys. Watch the movie October Sky starring Jake Gyllenhaal.</p> <p>Learn how the son of a coal miner designed the space shuttle for NASA.</p>	<p>Technology</p>	<p>WPD (RE)</p> <p>Research the key beliefs and values of Humanism and present them in a creative format of your choice, such as a fact sheet, mini-poster, or short comic. Explain how Humanists make decisions using reason and empathy, and include one example of a real-life situation where this might apply.</p>

Write a book/film review as your response.		
<p>Science</p> <p>Cells</p> <p>Produce a model of a cell. This could be in any form – a poster, cake or get more creative with materials at home. Include labels and descriptions of the cell.</p>	<p>History</p> <p>Create your own version of the Bayeux Tapestry.</p> <p>Be creative – you can draw and colour it on paper or you can even cross-stitch it on cloth with sewing materials!</p>	<p>PE</p> <p>Create a labelled diagram or basic model (e.g. paper or cardboard) of key bones and muscles. Make sure you use the correct terminology and location.</p>
<p>MFL</p> <ul style="list-style-type: none"> • Project: <i>Mi Passeport Linguistique / My Language Passport</i> • Focus on Spanish- and French-speaking countries • Students explore 10 countries (5 Spanish, 5 French) • Key content: flags, capitals, landmarks, food, key words • Outcome: completed language passport with reflection • Skills: cultural awareness, basic vocabulary, creativity 	<p>Geography</p> <p>Health</p> <p>Use a blank world map, you can pick this up from your teacher. Choose 10 countries and locate them on your map. Try and choose a mix of HICs and LICs. For each country chosen, identify their health statistics - How many people per doctor? Free or private healthcare? Any major diseases that can be found there?</p>	<p>Music</p> <p>A Tour of the Orchestra</p> <p>Watch the following video https://www.bbc.co.uk/teach/ten-pieces/articles/zvf4tcw Name your top three favourite instruments. What is it your love about each? Complete the worksheet below. https://teach.files.bbci.co.uk/tenpieces/Musical Menu Instruments Worksheet.pdf</p>
Drama		

<p>Research the life and story of Anne Frank, then compare it with the story of Lena. Your task is to:</p> <ul style="list-style-type: none"> • Explore the key events, experiences, and challenges faced by both Anne and Lena. • Identify similarities and differences in their lives, thoughts, and the historical context they lived in. <p>Present your findings in one of the following formats:</p> <ul style="list-style-type: none"> • A PowerPoint presentation • An informative poster • A factual written report • A booklet <p>Your final piece should be well-researched, thoughtful, and clearly show how the two stories connect and differ.</p>		
--	--	--

Year 8

<p>English Choose a well-known Gothic text (e.g., <i>Dracula</i>, <i>Frankenstein</i>, <i>The Woman in Black</i>).</p> <ol style="list-style-type: none"> 1. Research: Find out who wrote it, when it was published, and what makes it Gothic. 	<p>Art Dramatic Landscapes</p> <p>Look at Julian Opie’s painting ‘Landscape?’ Take a photograph of trees in your local park and create your own version of Opie’s painting.</p>	<p>Computing</p> <p>To design an innovative computing device by defining its purpose, its core components, and its user interface. You will create and submit one document which contains the following items:</p>
--	--	---

<p>2. Present your findings as a one-page "Gothic Guide," using a mixture of concise notes, illustrations, and one or two quotes from the text!</p>	<p>Draw, paint, digital image, you decide.</p>	<ol style="list-style-type: none"> 1. The Device Blueprint: A one-page visual diagram or annotated illustration of your computer. This should show the main physical parts and how they connect. You can use any drawing tool you like, from pen and paper to simple diagramming software. 2. The Operating System Pitch: A short pitch (approx. 150-200 words) explaining the Operating System for your device. You should describe: <ul style="list-style-type: none"> o The name of your Operating System. o Its main functions (e.g., managing sensor data, running AI translation, displaying a user interface).
<p>Maths</p> <p>BBC Magic Numbers Mysterious World of Maths</p> <p>BBC documentary exploring the world of maths with Dr Hannah Fry</p> <p>https://www.youtube.com/watch?v=TKKUZoqSTxw</p>	<p>Technology</p> <p>Explore Mexican trees of life by Sablan ceramics.</p> <p>Design your own tree of life. Consider the symbols you could use, add a range of decorative patterns and select your own colour scheme.</p>	<p>WPD (RE)</p> <p>Research three major Hindu deities and explain their roles, symbols, and importance within Hindu belief. Present your findings as a fact sheet, poster, or short digital presentation. Include a comparison showing how each deity expresses a different aspect of Brahman, and reflect on which deity you find most interesting and why.</p>
<p>Science</p> <p>The periodic table Research the elements and properties of these elements in 1 group on the periodic table. Create a poem or song about these elements including properties and uses.</p>	<p>History</p> <p>Imagine you're living in Victorian London and write a diary entry from the perspective of a wealthy merchant, factory worker, or child. Describe daily life, work, and the social classes. Create a Victorian-era artefact like a pocket watch or toy to accompany your entry.</p>	<p>PE</p> <p>Build a 3D model of the human skeletal showing the major bones and joints, with explanations of what movement occurs at each joint.</p>
<p>MFL</p>	<p>Geography Population</p>	<p>Music Covers</p>

<ul style="list-style-type: none"> • Project: <i>Recipe Book Project</i> • Focus on food and culture in Spanish- and French-speaking countries • Students create an international recipe book (8 recipes) • Includes ingredients, simple methods, and cultural facts • Outcome: completed recipe book with reflection • Skills: research, food vocabulary, cultural understanding 	<p>Pick 1 country you wish to study. This can be a HIC, NEE or LIC. Create a fact file for the country- Describe the location of the country (include a map) and 10 other facts about the country you have chosen . Illustrate and describe population change over time. Research the birth and death rate of the country. Explain what stage of the DTM that country would be in.</p>	<p>Choose a song you enjoy covered by Post Modern Juke Box https://www.youtube.com/channel/UCORleT1hk6tYBuntEXsguLg Then listen to the original version of the same song. How did Post Modern Juke Box change the style? How is the vocal style different/ has the tempo been changed/compare the use of instruments. Which version do you prefer and why?</p>
<p>Drama The sinking of the Titanic was one of history's greatest tragedies. Create a study of 3 passengers on the original voyage exploring their backgrounds, family, wealth and status and include pictures in a biographical report.</p>		

Year 9

<p>English</p> <p>Research one of the following poets and their work: Nikita Gill, Steven Camden (aka Polarbear), Sarah Kay, Raymond Antrobus. Choose one poem of theirs and write a personal response to it:</p> <ul style="list-style-type: none">- What is its message?- Which lines do you think are the most interesting, and why?- Based on your research, why do you think the writer chose to write about this topic? <p>Challenge: Write your own poem 'responding' to the one you have read, echoing its ideas and sharing your own feelings on the topic.</p>	<p>Art</p> <p>The Corpse Bride</p> <p>Research or even watch Tim Burton's 'Corpse Bride'. Design your own character/s using pen, ink or even a 3D model with papier-mâché.</p>	<p>Computing</p> <p>To conduct a digital forensic investigation and produce a comprehensive incident report that explains the breach and provides recommendations to prevent it from ever happening again.</p> <p>You will create and submit one final Incident Report which is a single document containing the following sections:</p> <p>The Attack Timeline: A step-by-step log of the attack. For each piece of evidence in the Case File, you must identify the cybersecurity threat it represents (e.g., phishing, malware, weak password) and explain how it contributed to the overall breach.</p> <p>The Threat Analysis: A detailed paragraph that identifies the attack methods used and explains how they were combined. You must make a reasoned argument for how the attacker bypassed the company's security, referencing specific pieces of evidence from your timeline.</p>
<p>Maths</p> <p>Hidden Figures, by Margot Lee Shetterly</p> <p>The story of the African-American Mathematicians of NASA who helped America win the Space Race.</p> <p>Read the book/ watch the film and write a review.</p>	<p>Technology</p> <p>Tote Bag</p> <p>Research the Tote bag, find out what it is and how it is made. Pick one of these design themes: Floral, Patterned, Mechanical, Abstract or a theme of your own choice. Design your own on paper and try to make your own bag.</p>	<p>WPD (RE)</p> <p>Create a creative piece exploring an ethical issue of your choice—such as equality, animal rights, or justice. Present it as a short story, comic, artwork, or video. Explain the ethical dilemma, different viewpoints, and your own reasoned conclusion. Show how moral reasoning shapes real-life choices.</p>
<p>Science</p>	<p>History</p>	<p>PE</p>

<p>Stem cells and cloning Research how stem cells can be used in therapeutic cloning. What is it and how does it work? What ethical issues are involved in cloning?</p>	<p>Imagine if the Suffragette movement had social media! Design a social media campaign (posts, memes, hashtags, etc.) promoting the women’s right to vote. Focus on key events like the first suffrage march or the hunger strikes.</p> <p>Challenge: Create a video or TikTok-style clip (1 minute or less) re-enacting a key Suffragette protest or event, as if it were being broadcast today. Use your campaign materials to enhance the video!</p>	<p>Analyse a sporting movement (i.e. golf swing, kick in football, cartwheel) and explain which major bones are being used, what category they fall in, what joints are being used, what their function is and what range movement is occurring. You can use images and diagrams to support your explanation.</p>
<p>MFL</p> <p><i>Project: La Música (Mi artista favorita)</i></p> <p>Focus on a Spanish- or French-speaking music artist or band</p> <p>Students create a fact file about one artist</p> <p>Includes favourite song choice and short lyrics translation task</p> <p>Outcome: completed music booklet with reflection</p> <p>Skills: cultural understanding, analysis, translation, personal response</p>	<p>Geography Middle East</p> <p>Research four Middle Eastern countries of your choice and create a fact-file about each country, including the culture, geography, language, and one current event. Then, research a natural hazard that has occurred in a Middle Eastern country. Collect information about the cause, impacts and responses. Write a news report on the natural hazard event.</p>	<p>Music ‘Create a Play List’</p> <p>Research and listen to music suitable for a ‘chill’ playlist of 10 tracks. Aim to include music from different genres- jazz/classical/RnB/Pop and folk. Give two reasons for choosing each track.</p>
<p>Drama</p>		

The National Theatre is an incredible institution creating some of the most innovative pieces of theatre with some of the world's biggest actors. But where is it? What sort of work does it produce? Do you know any of its productions? Create a portfolio (digital or hard copy) exploring what The National Theatre is and explore how it contributes to modern culture.

