

Activity title /type		Description overview
Black Gold Experience Guided Tour	<p>Curriculum Links / Progression Steps & Levels Humanities (PS: 2-4) Language, Literacy, and Communication (PS: 2-4) Health and Wellbeing (PS: 2-3) Science and Technology (PS: 2-3)</p> <p><i>Can be adapted to suit all levels</i></p> <p>Cross Curricular / Integral Skills Identify what makes Welsh mining, landscapes, and localities distinct. Explore relationships between humans, their environment, Wales and the wider world.</p>	<p>Our Black Gold Experience is the perfect learning experience for pupils to connect with their ‘Cynefin’. The underground tour is guided by one of our ex-miners who inspire curiosity through communicating their stories of life underground. Investigate the historic importance of ‘Black Gold’ (coal) from Rhondda that was shipped around the globe. Learners will explore the social and technological impact the coal trade had on the world.</p> <p>The Black Gold Experience Underground Tour lasts approximately 60 minutes. The tour ends with a simulated ride on a DRAM which guarantees some surprises.</p>
Black Gold interactive exhibition Museum/ self-led exploration 1hour	<p>Curriculum Links / Progression Steps & Levels Humanities (PS: 2-4) Language, Literacy, and Communication (PS: 2-3) Expressive Arts (PS: 2-3) Science and Technology (PS: 2-3)</p> <p><i>Can be adapted to suit all levels from PS2 and up</i></p> <p>Cross Curricular / Integral Skills Access and explore a range of original footage from a variety of locations and times. Analyse the evidence provided and critically evaluate interpretations and perspectives through digital technology and visual displays.</p>	<p>Black Gold interactive exhibition features amazing footage from the archives of when coal from the Rhondda powered the world. Over 140 mining and Welsh history artefacts are on display combined with the incredible footage, touch screens, quizzes, puzzles, and digitalised artefacts, this could arguably be the definitive exhibition on the history of the South Wales Valleys.</p> <p>The digital touch screens tell the story of the objects and the site Visitors can browse through topics such as the Rhondda Coal Rush, mining disasters, and the involvement of Rhondda miners in the Spanish Civil War and see these topics brought to life on the big screens with historical news clips. There are timelines, maps to explore and digital access to more artefacts from the collection.</p>
Tramroad Walk Guided or Self-led 1 hour	<p>Curriculum Links / Progression Steps & Levels Humanities (PS: 2-3) Health and Wellbeing (PS: 2-3) Science and Technology (PS: 2-3)</p> <p><i>Can be adapted to suit all levels from PS2 and up</i></p>	<p>Tramroad Walk This is a diverse and adaptable activity where you will discover the 1809 Tram Road Trail, find a link to the past and examine aspects of regeneration. Discover how the innovation of humanity and its ability to navigate challenges impact both globally and locally. Make</p>

	<p>Cross Curricular / Integral Skills Identify what makes Welsh places and landscapes distinct. Explore connections between humans, their local environment, Wales, and the wider world.</p>	<p>connections to the past through enquiry, exploration, and investigation. Provide learners with the opportunity to develop their understanding of how the coal industry changed the surrounding landscape and what is left today</p>
<p>Mrs Washy Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels Humanities (PS:1-3) Health and wellbeing (PS:1-2) Science and technology (PS:1-2)</p> <p><i>Can be adapted to suit all levels</i></p>	<p>Victorian Wash Day An interactive learning experience of a typical Victorian laundry day. An opportunity to identify, compare and evaluate how life, responsibilities and expectations have changed through the advances in science and technology. This outdoor interactive activity provides an authentic, tactile, and purposeful learning experience.</p> <p>Approximately 45 minutes</p>
	<p>Cross Curricular / Integral Skills Creativity; critical thinking; communication and teamwork are key to this authentic activity. Explore the significance that human innovation in science and technology has had in our modern world.</p>	
<p>Rhondda Portraits/landscapes Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels Humanities (PS:2-4) Language, Literacy, and Communication (PS:2-3) Expressive Arts (PS:1-4)</p> <p><i>Can be adapted to suit all levels</i></p>	<p>This session encourages learners to creatively explore issues and stories through works of art from our unique collection of local artists. Evaluate the interpretations of Nicholas Evans, Lynne Gant & George Little who express the danger, harsh nature and unique landscape associated with mining. May include others from our collection.</p> <p>Approximately 45 minutes</p>
	<p>Cross Curricular / Integral Skills Creativity and critical thinking are encouraged and nurtured through our unique collection of Art. Learners will explore, respond to stimuli, create, and reflect on their own work while engaging in rich, <i>authentic experiences</i> that challenges perceptions.</p>	
<p>Childhood Changes Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels Humanities (PS:2-3) Language, Literacy, and Communication (PS:2-3) Health and wellbeing (PS:2-3)</p>	<p>An investigative workshop where pupils will evaluate childhood in the 19th century within the home, work, education, and play. This authentic and purposeful session will allow learners to draw conclusions from evidence provided, through comparing from the past and today related to children at work, home, education, and play.</p>

	<p>Cross Curricular / Integral Skills</p> <p>Cross cutting themes that examine the progression in legislation relating to Human Rights, Employment, Equality and Diversity</p>	Approximately 45 minutes
<p>Black Lung: Investigating the impact of coal dust on the health of coal miners</p> <p>Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels</p> <p>Humanities (PS:2-3)</p> <p>Health & Wellbeing (PS:2-3)</p> <p>Science & Technology (PS:2-3)</p>	<p>This engaging workshop explores the impact of coal dust on miners' health, focusing on Black Lung disease. Learners build model lungs, test protective equipment, and investigate real symptoms to understand the science and human cost of coal mining.</p> <p>Led through interactive activities, learners develop scientific enquiry skills, empathy, and historical awareness in a hands-on, memorable way. Perfect for deepening cross-curricular learning through real-world context, supporting curriculum goals while connecting pupils to local industrial heritage.</p> <p>Approximately 40 minutes</p>
	<p>Cross Curricular / Integral Skills</p> <p>This workshop develops critical thinking, observation, and problem-solving skills through hands-on science activities and historical inquiry. Learners build empathy by simulating health conditions, compare protective technologies across time, and explore cause and effect through interactive experiments. It encourages teamwork, effective communication, and thoughtful reflection on human impact, health, and innovation.</p>	
<p>Mighty Machines</p> <p>Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels</p> <p>Language, Literacy, and Communication (PS:2-3)</p> <p>Maths & Numeracy (PS:2)</p> <p>Science & Technology (PS:2-3)</p>	<p>This hands-on workshop introduces learners to the science of simple machines, with a focus on pulley systems used in historical coal mining. Through collaborative model-building and problem-solving challenges, pupils will design and test their own pulley systems to explore how these mechanisms made mining safer and more efficient. With strong links to STEM and local history, this session encourages design thinking, teamwork, and accurate use of scientific vocabulary—offering a rich, memorable learning experience that brings mechanical concepts to life.</p> <p>Approximately 40 minutes</p>
	<p>Cross Curricular / Integral Skills</p> <p>This workshop develops critical thinking, creativity, and collaboration as learners design, build, and test their own working pulley systems. Pupils apply scientific and engineering principles, use mathematical reasoning to measure and compare results, and build communication skills through teamwork and problem-solving challenges. The session also strengthens the use of accurate scientific language and fosters reflective learning as pupils evaluate the efficiency of their designs.</p>	
<p>Dust & Danger</p> <p>Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels</p> <p>Health & Wellbeing (PS:2-3)</p>	<p>This dynamic workshop combines science and history to help learners understand the real dangers faced by coal miners, with a focus on</p>

	<p>Maths & Numeracy (PS:2) Science & Technology (PS:2-3)</p> <p>Cross Curricular / Integral Skills This workshop supports scientific enquiry, observation, and analytical thinking as learners explore combustion, gases, and safety through dramatic demonstrations and hands-on activities. Pupils make real-world connections between chemical reactions and historical mining risks, while developing empathy, risk awareness, and problem-solving skills. The session also promotes collaboration and discussion, encouraging learners to reflect on the impact of innovation and safety in both past and present contexts.</p>	<p>explosions caused by coal dust and methane gas. Through dramatic demonstrations and guided investigations, pupils will observe combustion reactions, explore the fire triangle, and assess how engineering innovations like the Davy lamp were developed to improve miner safety. The session encourages curiosity, critical thinking, and meaningful links between past and present safety practices—making it an ideal way to bring STEM learning to life through real-world context.</p> <p>Approximately 40 minutes</p>
	<p>Tunnel Talk Workshop Delivered</p> <p>Curriculum Links / Progression Steps & Levels Humanities (PS:2-3) Health & Wellbeing (PS:2-3) Science & Technology (PS:2-3)</p> <p>Cross Curricular / Integral Skills This workshop strengthens pupils’ scientific enquiry and communication skills through hands-on exploration of how sound travels. Learners investigate how vibrations move through different materials, apply non-verbal problem-solving in a team setting, and gain insight into the challenges of underground communication in mining history. The session supports collaboration, critical thinking, and empathy—helping pupils connect STEM learning with real-world historical contexts.</p>	<p>This immersive and curriculum-rich workshop introduces learners to the science of sound through the fascinating context of underground mining. Using interactive sound stations—including cup telephones, spoon gongs, and vibration experiments—pupils investigate how sound travels through different materials. The session concludes with a collaborative team challenge where learners use coded tapping signals to guide a miner to safety, reinforcing their understanding of sound properties while building communication, problem-solving, and teamwork skills in an engaging and memorable way.</p> <p>Approximately 40 minutes</p>
<p>Rocks that run the world: The story of coal from origin to energy Workshop Delivered</p>	<p>Curriculum Links / Progression Steps & Levels Language, Literacy, and Communication (PS:2-3) Humanities (PS:2-3) Science & Technology (PS:2-3)</p> <p>Cross Curricular / Integral Skills This interactive workshop builds scientific understanding, teamwork, and communication through practical exploration of coal’s journey from formation to energy.</p>	<p>Rocks That Run the World: The Story of Coal from Origin to Energy is a lively, hands-on workshop that brings earth science and energy learning to life. Learners investigate how coal forms, how it's mined, and how it has powered industry and daily life across centuries.</p> <p>Through interactive activities—including fossil creation, a geological timeline, a digging relay, and a working steam-power demonstration—pupils will trace coal's journey from prehistoric forests to modern electricity. The workshop also reveals lesser-known uses of coal,</p>

	Learners develop enquiry and reasoning skills as they simulate geological processes, model energy transfer, and problem-solve during a mining relay. Alongside scientific literacy, pupils reflect on the human and environmental impact of coal, supporting meaningful cross-curricular links with humanities, sustainability, and real-world decision-making.	sparking curiosity and rich classroom discussion. Ideal for reinforcing science, history, and sustainability themes through practical, memorable experiences. Approximately 40 minutes
Energy Explorers: From coal scars to green spaces Workshop Delivered	Curriculum Links / Progression Steps & Levels Humanities (PS:2-3) Health & Wellbeing (PS:2-3) Science & Technology (PS:2-3)	This engaging workshop introduces learners to the environmental impact of coal mining and the importance of land restoration and community safety. Using real-world examples and hands-on team challenges, pupils explore how mining has shaped the landscape—and how it can be repaired. Through critical thinking, creativity, and collaboration, learners are encouraged to consider how we care for our environment and make informed, safe choices for the future. A perfect link between science, sustainability, and local history. Approximately 40 minutes
	Cross Curricular / Integral Skills This workshop offers pupils a powerful blend of science, humanities, and wellbeing through practical, thought-provoking activities. Learners model environmental change, evaluate real-world safety strategies, and explore regeneration and biodiversity in post-industrial landscapes. By combining creative problem-solving with teamwork and critical discussion, the session encourages empathy, ethical thinking, and a deepened understanding of our responsibility to care for people, places, and the planet.	
Our loan boxes contain a selection of themed objects, object information, worksheets, and activity suggestions.		
Proud Valley: The Life and Legacy of Paul Robeson Loan box	Curriculum Links / Progression Steps & Levels Humanities Language, Literacy, and Communication Expressive arts Mathematics and numeracy Health and wellbeing PS:4+	Learners will be able to examine and discuss the contents, which will reveal Wales and the worlds’ connections with the great singer and activist. Contains a variety of replica and original artefacts related to Paul Robeson, and racial and industrial struggle in Wales and beyond.

The Forgotten voices: Women's history in Wales Loan box	Curriculum Links / Progression Steps & Levels Humanities Language, Literacy, and Communication Expressive arts Mathematics and numeracy Health and wellbeing Science and technology PS:2-3	Learners can develop knowledge on women's history and significant female figures in Welsh history. The box contains replica objects from protest banners to war recruitment posters and Suffragette uniforms, and focused resources which can be discussed and examined.
Coal: A Miners life Loan box	Curriculum Links / Progression Steps & Levels Humanities Language, Literacy, and Communication Expressive arts Mathematics and numeracy Health and wellbeing Science and technology PS:2+	Miners loan box: Integrated and enquiry-based learning resources including primary and secondary historical evidence. This loan box is focused on developing pupils' knowledge and understanding of what life was like for miners in the South Wales Coalfield through a collection of real and replica objects and focused resources
WWII Loan Box	Curriculum Links / Progression Steps & Levels Humanities Language, Literacy, and Communication, Expressive arts, Mathematics and numeracy, Health and wellbeing, Science and technology PS:2+	Enquiry-based learning using primary and secondary historical evidence. This loan box uses replica object and resources to develop pupils' knowledge and understanding of what life was like for people during World War II.

<p>Ron Berry</p> <p>Loan Box: Created from a recent donation of books from the daughters of Ron Berry</p>	<p>Curriculum Links / Progression Steps & Levels</p> <p>Humanities Language, Literacy, and Communication Health and wellbeing</p> <p>An engaging resource to nurture curiosity. That will allow the pupil to identify and explore new connections and transfer their learning into new underlying concepts.</p> <p>PS:4+</p>	<p>Ron Berry was a Rhondda born author of novels and short stories who left school at 14 to work as a coal miner. His literary works are deeply rooted in the south Wales coalfield and have been embraced by both contemporary authors and researchers for the portrayal of the working class of the industrial valleys. His works are reflective of his experience working underground and of the post war, post-industrial declining communities of South Wales and are a window into the social history of the time.</p> <p>This loan box is suitable for secondary schools, community groups or similar wanting to start a book/historical literacy club.</p>
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