

Marvellous Mines!



<p><i>How has mining shaped Cornwall?</i></p>	<p>Launch Godrevy Beach – Digging mines and building settlements and engine houses with sand. Sifting for tin and precious metals in the red river.</p>	<p>Class Book Thomas and the Tinnars – Jill Paton Walsh The Giant’s Necklace – Michael Morpurgo</p>	<p>End Authentic Outcome <i>Marvellous Mines show at King Edward Mine – with virtual and live exhibits created by the children throughout the project. Culminating in a performance of a Celtic mining chant in the old engine house remains.</i></p>
<p>What will the classroom look like? Engine house based on Wheal Coates</p> <p>Mining cart with old lanterns and wheels.</p> <p>Geological study table which children add to throughout project. – What is tin used for? – everyday items with tin in them.</p> <p>What lives in the mines? Children to create Cornish choughs and bats to hang from ceiling. Growing plants in the classroom which thrive in old mine workings – chamomile, heathers, moor grass...Cornish path moss...</p> <p>The doorway to our classroom will look like an old mine entrance!</p>	<p>Trips/visits to support project</p> <ul style="list-style-type: none"> • King Edward Mine • Geevor Mine educational visit • South Crofty modern Mine visitor. • Local walks to look at engine houses and flora and fauna. <p>Use of outdoor class</p> <ul style="list-style-type: none"> - Godrevy beach – exploring why mines flooded through digging. - Plant identification and geological studies. - Outdoor spaces to explore sound and echos. - Smelting on fire with moulds. 	<p>Literacy genres</p> <ul style="list-style-type: none"> • Fiction – adventure story inspired by Thomas and the Tinnars • Non- Fiction – non-chronological report on flora and fauna of tin mine remains. • Discursive – Will reopening the mines make Cornwall rich again? • Poetry – creating a mining chant. <p>Innovative use of ICT</p> <ul style="list-style-type: none"> - Research - Use of programmes to present information texts (word and publisher) - Using a music editing software to create audio soundscape. 	



LAUNCH

END OUTCOME

MINI OUTCOME - writing
Mining Adventure Story
The children will write their own short stories inspired by our class text to be displayed at our end outcome.

MINI OUTCOME – D.T
Design and build our own Man Engines.
We will learn how to join and combine materials to create a working prototype of a mine shaft lift.

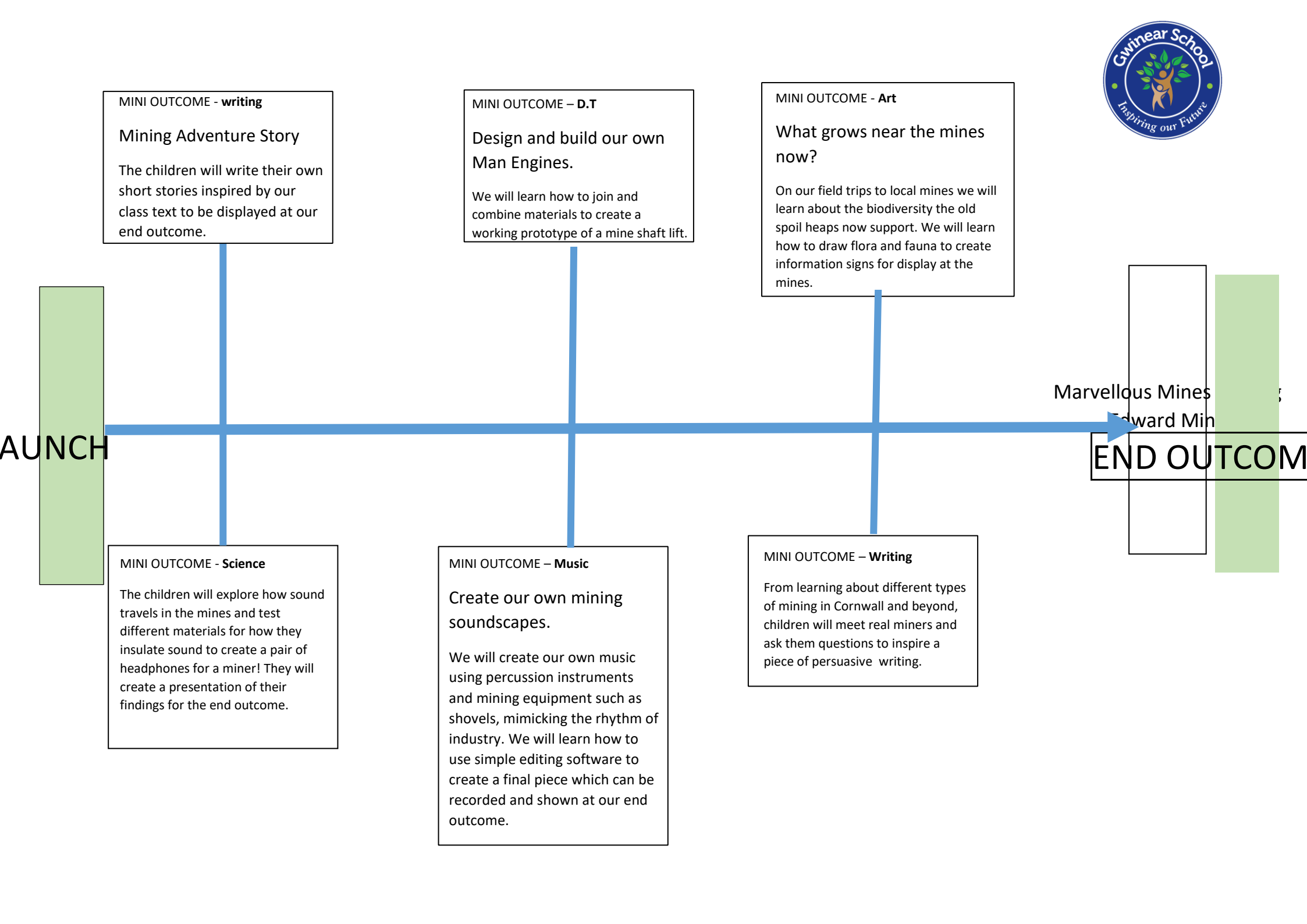
MINI OUTCOME - Art
What grows near the mines now?
On our field trips to local mines we will learn about the biodiversity the old spoil heaps now support. We will learn how to draw flora and fauna to create information signs for display at the mines.

MINI OUTCOME - Science
The children will explore how sound travels in the mines and test different materials for how they insulate sound to create a pair of headphones for a miner! They will create a presentation of their findings for the end outcome.

MINI OUTCOME – Music
Create our own mining soundscapes.
We will create our own music using percussion instruments and mining equipment such as shovels, mimicking the rhythm of industry. We will learn how to use simple editing software to create a final piece which can be recorded and shown at our end outcome.

MINI OUTCOME – Writing
From learning about different types of mining in Cornwall and beyond, children will meet real miners and ask them questions to inspire a piece of persuasive writing.

Marvellous Mines
Edward Min





MAIN TOPIC

MARVELLOUS MINES: OUR LOCAL HISTORY STUDY!



English

Story writing-adventure story

Discursive – Will reopening the mines make Cornwall rich again?

Information texts- Local wildlife and plant life

Poetry – creating a mining chant.

History

Local history study focusing on the mining industry.

How mining effected Cornwall and why mining stopped.

Science

Sound:

How sound is produced and travels

How sound is measured

Finding patterns in pitch and volume

Mathematics

Number: Addition and subtraction

Measurement: Money

Measurement: Time

Statistics of flora and fauna in mining area

Geometry: properties of shapes

Music

Mining chants-the children will learn to compose their own chants that follow a steady rhythm.

Children will compose music for a mining soundscape, using percussion instruments and sound bites.

Art

Create observational drawings using contrast, texture and tonal techniques to add detail – drawing flora and fauna to illustrate our information texts.

Footprints	Be the best you.
Spaceship Earth	Knowing yourself
Energy saving	Managing my feelings
Where my food comes from	Looking after myself
Developed and developing	Working with others
Biodiversity	Making healthy choices
How can I make a difference	Being responsible

Physical Education: first half term= cricket/ tennis , second half term=badminton/outdoor and adventurous learning