

# Project Based Learning 2025 Essential Question How do humans adapt to survive?



Year 3 and 4 Term: Autumn

# **Curriculum Opportunities**

## **English**

The Iron Man.

Ice Trap- The life of explorer, Shackleton.

Explanation writing- 'How to survive in Antarctica.'

Science Fiction- 'The Iron Man.'

#### Reading

The Iron Man.

Non-fiction texts about Antarctic.

#### Maths

Place Value

**Four Operations** 

Maths fluency

#### History

How have children's lives changed?

We will start by learning about children in Tudor times then Victorian times. We will be looking at how Lord Shaftsbury changed the lives of children, how leisure time has changed and finally what diseases children caught and how they were treated.

## Science

Animals Including Humans Rocks & Soils



### **Movement and Nutrition**

We will learn about types of nutrition and the amount of each food group that we need to survive. We will look at the three main types of skeletons, name bones in the human body and describe the functions of the skeleton.

#### Art & Design

We are studying exploring and mixing colour. Researching artist Eric Joyner and find out about the techniques he uses in his paintings. We will be creating a collage in the style of Eric Joyner.

#### D&T

We will learn how toys can be powered by air. We will be designing and making a pneumatic powered robot.

# Geography

This term we will be learning about the Antarctic and finding out about the explorer, Ernest Shackleton.

## Computing

We will be learning about what a digital device is and how computers connect us.

#### ΡF

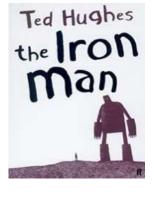
Gymnastic and Dance.

#### RE

We will be learning how about the Khalsa and if joining this makes Sikhs a better person.

## Music

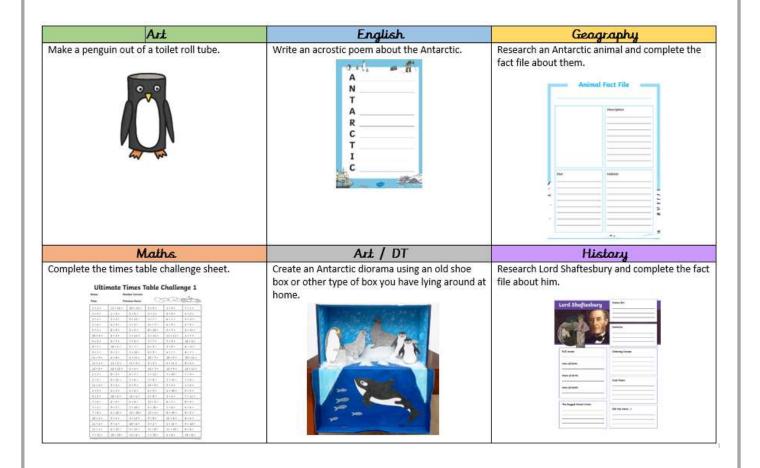
We will be learning how to compose a pentatonic ostinato.







# **Project Homework**



# How Can You Help?

If you feel you can help us with our project this term we would love to hear from you!

Websites to visit:

http://www.sciencekids.co.nz/robots.html

https://www.factmonster.com/dk/encyclopedia/science-and-technology/robots

# https://www.bbc.co.uk/education/clips/zjj7pv4

Programming Robots to play football.

As always, please ask if you need any support completing any Project Homework.