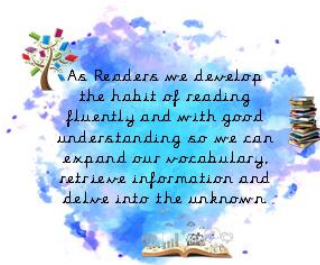




**GREENHEART**  
LEARNING PARTNERSHIP 

Year 5

Spring 1



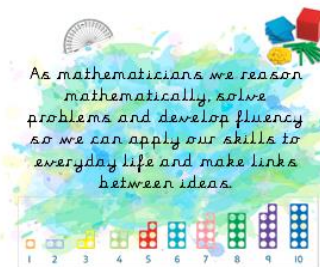
### Reading

In reading, the pupils will be exposed to a range of text types including poetry, fiction, non-fiction and playscripts. They will continue to develop their growing vocabulary and comprehension skills through the analysis of a variety of extracts.



### Writing

In English, the pupils will continue to build on their grammar knowledge - revising the different word classes and sentence structures. They will be concentrating on action and setting descriptions whilst incorporating dialogue into their writing through our work using Oliver Twist and the short animation Roads End.



### Mathematics

Pupils will build on their existing knowledge of fractions this half term. They will explore equivalent fractions, convert improper and mixed number fractions and compare and order fractions. In addition to this, pupils will learn to add and subtract a variety of fractions with growing complexity. Alongside this, pupils will continue to develop their arithmetic skills.



### Science – Forces

In science, children will be investigating different forces including gravity, air resistance, water resistance and friction. They will be working as scientists by designing and running their own investigations, analysing their results and making conclusions.



### Geography – Biomes and Ecosystems

In this unit, children will learn about the biomes and ecosystems in the UK. They will complete a case study of Cannock Chase, discovering the diversity of trees, plants and animals found there. They will plan and conduct fieldwork in this local woodland ecosystem where they will observe, measure and record their findings. Finally, analysing the data and presenting.



### Design and Technology – How can a toy move without batteries?

Pupils will revisit how levers and gears make things move and begin to investigate how a cam system creates movement. They will design their own cam toy using a range of cam shapes and select from and use a range of tools and equipment to perform practical tasks. Pupils will then test and evaluate the effectiveness of their toy.



### French

During this half term, pupils will be learning to talk about their pets, sports and hobbies, the weather and seasons as part of their conversational skills.



### RE – Are Sikh stories important today?

During this unit, pupils will listen to and discuss several traditional Sikh stories and consider their relevance in today's world.



## PE – Gymnastics and Basketball

In gymnastics, pupils will continue to apply their understanding of shapes and balances to build independent and group sequences using a series of apparatus.

In basketball, pupils will refine their throwing, catching, dribbling, defending and shooting skills through drills and match play.



## PSHE – Dreams and Goals

Children will be considering their dreams and goals. They will work with money to aid their understanding of financial capability, generate skills to support them in their future workplace and generate money that could be used to support others less fortunate.



## Computing - Mars Rover 1

This term, pupils will be finding out about some of the types of data the Mars Rover collects and how it transmits the data back to Earth.

They will learn how to read binary numbers and grasp the concept of binary addition. In addition, pupils will relate binary signals (Boolean) to a simple character-based language, ASCII.