



Year 5 Curriculum Map Autumn 2

This term's value is:

Aspiration

Key Information

PE:

Walker- Monday and Friday

Lichtenstein- Monday and Tuesday

Reading Journal:

Children are expected to read every day. We ask that all children read/discuss their book with an adult at least 3 times a week and have their reading journal signed.

Science - Living Things and their Habitats

Children will learn about the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Children will also learn about the life process of reproduction in some plants and animals.

Help at home by creating a life cycle for a chosen animal.

RE

The children will be learning about Remembrance and Christmas through music and art.

Help at home by discussing how Christmas is marketed in our society. Exploring how Christmas is aimed at both a religious and secular market.

English - 'Robot Girl' by Malorie Blackman



In English, we will explore the features of balanced arguments, persuasive writing and explanation texts. Our outcomes will give the children an opportunity to use the skills they will learn to create both explanation and persuasive pieces of writing, as well as an advertisement, for a game they will create as part of their project.

Help at home by reviewing the games that your child plays, discussing both the advantages and disadvantages. What aspects of the advertisements they see attract them and why?

YEAR 5 PROJECT: iRobot

We have been commissioned to create computer based games that will 'relaunch' Malorie Blackman's Robot Girl.

Design brief:

Become the task team that will be taking on the relaunching of *Robot Girl*.

Create computer based games that are exciting and appealing to a wide audience that will also link closely with the book in order to encourage players to read it!

Market your game considering advertising and the planning of a launch.

PSHE

This half term we will be focusing on diversity and discussing subjects such as change and stereotypes. We will also explore coping with bullying.

Help at home discussing change and diversity in your local area.

Maths

Fractions – Compare and order fractions. Identify, name and write common equivalent fractions.

Recognise simple mixed numbers and improper fractions and begin to convert from one form to the other.

Adding and subtracting fractions with the same and different denominators.

Begin to multiply proper fractions by whole numbers.

Decimals – Recognise decimal and fraction equivalents and convert.

Percentages – Calculate percentage of quantities using simple fraction equivalence e.g. use $10\% = 1/10$, $50\% = 1/2$ to find 10% of 120; 50% of 120

Mass and Capacity – Time and statistics.

Geometry – Angles and properties of 2D shapes.

Please see the Calculation Policy on the school's website for clarification on methods.

Help at home: Maths skills are taught and often applied in a problem therefore it is always valuable to practice skills such as quick recollection of times tables as often as you can at home.

Help at home- these are ideas you can do with your child at home. It would be fantastic for children to bring any home learning into school to share with the class. These are optional. Homework will be sent separately.



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Computing

We will be designing, writing and debugging programs in order to create a computer based game.

Help at home: Children can access *Scratch* (an online coding program for children), where they will be able to learn how to create their own games – access is free via <https://scratch.mit.edu/>.

Help at home- these are ideas you can do with your child at home. It would be fantastic for children to bring any home learning into school to share with the class. These are optional. Homework will be sent separately.