

At Higher Failsworth we believe that maths is essential to everyday life and a key skill that all children should master. We understand that having a high quality maths education can help to underpin a variety of life skills; therefore we aim to give children the best start in their maths education as possible along with creating both an understanding and a love for the subject.

Following the guidance of the new maths curriculum we aim to ensure that all children:

- Are fluent in the basics of maths. This is achieved through the frequent practice of key ideas whilst increasing the complexity and varying the style of problem. By doing this the children develop a conceptual understanding of maths along with being able to recall knowledge rapidly and accurately.
- Can reason mathematically. By introducing the children to mathematical language we allow them to have the opportunity to justify their thinking and understanding along with having a mathematical discussion to help combat a problem.
- Can solve problems. During lessons we encourage the children to apply their maths knowledge in difference scenarios and situations by breaking down problems. This also allows them to learn how to persevere throughout a task.

As the mathematical curriculum has changed over the past few years we have greatly altered our teaching of maths to suit the needs of our children. Below you will find a variety of things we do as a school to ensure our children receive the best possible mathematical education.

Maths of the Day:

As a school we use 'Maths of the Day' which incorporates maths with physical activity help engage children with their learning. Children in our school enjoy learning maths in this practical way and we have found it to be an effective tool when consolidating concepts in particular. More information about the benefits of the scheme along with how it is used can be found on the website link below.

<https://www.mathsoftheday.org.uk/>

Daily arithmetic session:

On top of their normal maths lesson, each class takes part in an extra 15 minutes of maths a day to help consolidate any previous learning, as well as improve the speed of which children can answer questions. This time has a practical focus where the children can be found playing games, singing and taking part in a variety of activities.

Environment:

Around our school we have been working hard to make maths a positive part of our school environment with a particular focus on our playgrounds. When visiting our school you will notice a number of resources on both playgrounds that the children are encouraged to use. In lessons and at play time they are shown how the resources can be used to support their learning through playing different maths games.

Sumdog:

A number of our classes across school have been signed up to use the website 'Sumdog'. The website allows the children to practice a different numbers of skills at home through a variety of games. To find more information out about the site please see the link below.

<https://www.sumdog.com/>

Homework:

The main form of homework that all children are asked to complete is to have a solid understanding of their times tables. It is extremely important that children learn their times tables in fun and interactive ways to help support the rest of their maths knowledge and their speed when solving mathematical problems. It is also beneficial to the children if they have a concept of telling the time which can be practiced daily at home.

Websites:

Below are some useful links to online maths games that children can participate in at home and may use at school but please make sure children are supervised at all times when using the internet.

<https://uk.ixl.com/math/>

<http://www.adamup.co.uk/>

<http://www.topmarks.co.uk/maths-games/5-7-years/counting>

<http://resources.woodlands-junior.kent.sch.uk/maths/>

<http://www.bbc.co.uk/bitesize/ks1/maths/>

<http://www.bbc.co.uk/bitesize/ks2/maths/>

<http://www.mathplayground.com/>

<http://www.ictgames.com/resources.html>

<http://www.coolmath-games.com/>