

# Mathletics: A Parent's Guide

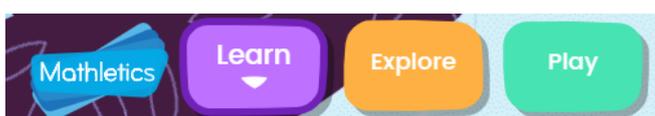
Mathletics will help pupils at Guyhirn to enjoy maths and increase their breadth and depth of mathematical understanding. Although it is enjoyed by pupils worldwide, there is much more to Mathletics than quick-fire calculation competitions across the globe. From times tables music videos to interactive flash tutorials and exercises about every maths topic covered in the primary curriculum, this leaflet aims to show what your child can do with Mathletics and also how you can help your child best with this platform.

## Basics

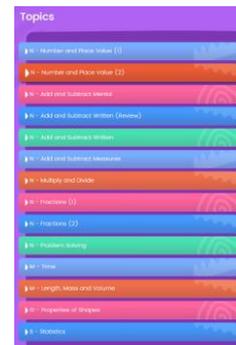
At Guyhirn, pupils have access to Mathletics through their own username and password. This gives them access to all the mathematical games, resources and activities. You will find it in the front of their reading diary. Children will have access to Mathletics from Reception upwards. Mathletics activities can be set for them by their class teacher. Once they have logged on, your child will not have access to all the different games and activities until any set activities have been completed. It is important that children do their best in these activities as the scores are stored and monitored to inform planning. For children who do not have access to the internet at home, please inform your child's teacher as they will be able to make arrangements for them to complete the tasks in school.

## Overview

When a child first logs in they will be asked to make a profile. Once complete, unless they have set tasks from their teacher, they will be taken to the main page. Along the top they will be able to choose from Learn, Explore or Play:



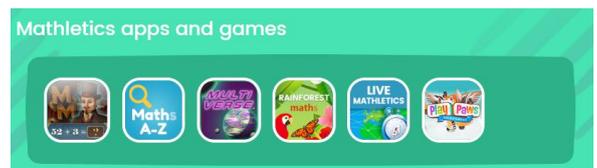
**Learn:** Children can select from the topics covered in the National Curriculum.



**Explore:** There are lots of activities and videos to explore. This is a great area for times tables!



**Play:** Here they can play lots of mathematical games and activities.



**Live Mathletics** - Quick fire multiplication versus computer, members of class, members of school or the world.

**Rainforest Maths** - Rainforest Maths is a separate area within Mathletics. These activities are designed for students up to year 6 and have a great rainforest theme.

**Multiverse** - Multiverse has a focus on multiplication

**Play Paws** - Play Paws has a focus on addition and subtraction

**Maths A-Z** - a great dictionary tool to help with mathematical vocabulary. Children and parents alike can look up terms they may have forgotten!

## Activities

The Activity area is the place where the most focused learning takes place. Mathletics knows which year group your child is in and will provide core exercises on all topics in the UK

National Curriculum has pitched at that age group. Your child is free to choose from these exercises. As said earlier, to help your child with what they are learning in class at the moment, you can ask your child, child's teacher or consult the short term plans to see which mathematical topics they are studying at present. The level of challenge for the year group is said to be 'core' and it is possible, for most topics, to select 'something easier' or 'something harder'. As your child completes these exercises the marks are recorded. The aim for each is to get a perfect score. You can see the colour grade system to the right. They can complete the activity multiple times, and will generally improve through repetition. . Gold is when a child achieves 85% or more. This is a 'gold bar' and the number of gold bars is totalled and is available on the left when your child logs in. In addition to the colour grading, points are awarded in each activity which are added for the daily and weekly totals. Using these points, certificates are awarded. 1000 points in a week = Bronze certificate 5 Bronze certificates = Silver certificate 4 Silver certificates = Gold certificate (A maximum of one certificate in a week. You can view and print off any of your child's certificates at home using the 'My Awards' link in the main menu of Mathletics.

### **Live Mathletics**

In Live Mathletics, your child can challenge other pupils to real-time mathematical races that will test the speed and accuracy of mental calculations. They can choose to compete against pupils from right across the world, or from school or their class. One weakness of Live Mathletics, is that children can choose a too easy level for these head-to-head games. I recommend that parents keep an eye on what level their child is playing, as clearly a child in year 6 shouldn't be spending time adding up numbers to 20.

In Live Mathletics, points, which go towards the weekly totals, and credits, which can be

used to purchase items from the virtual shop, are awarded to the children for correct answers and beating their own high scores. The items available from the shop are items of clothing for their digital avatar.

### **The focus of each Mathletics Live Level**

#### **LEVEL 1**

Addition within 10, Addition doubles within 10

#### **LEVEL 2**

Addition within 20, Subtraction within 20, Doubles and halves within 20

#### **LEVEL 3**

Addition within 50, Subtraction within 50, Doubles and halves within 50, Multiplication facts: 2s, 3s, 4s, 5s and 10s Addition within 20: with a missing addend

#### **LEVEL 4**

Addition within 100, Subtraction within 100: no exchanging, Doubles and halves within 100, Multiplication facts up to  $10 \times 10$ , Division facts: 2s, 3s, 4s, 5s and 10s, Addition within 50: with a missing addend, Multiplication facts up to  $10 \times 10$ : with a missing factor

#### **LEVEL 5**

Addition within 500, Subtraction within 100: with exchanging Multiplication & division facts up to  $10 \times 10$ , Multi-step operations, Addition within 100: with a missing addend Subtraction within 50: with a missing addend, subtrahend or minuend, Time conversions, Length conversions, Number sequences

#### **LEVEL 6**

Decimal addition from 0.1 to 1.0, Decimal subtraction from 1.0, Multiply decimal by whole number, Multiply decimal by decimal, Order of operations with whole numbers, Multiplying 3 numbers, Simple substitution, Patterns of 1 to 10, Sum, difference, product and quotient, Converting mm, cm and m 24 hour time

**NB: Only children will school logins can access this facility**

Thank you for taking time to read this. I look forward to working with you to support your child in their Maths Development and Independence.

Miss Emma Britchford - Maths Leader