

The Specialist Schools Maths Challenge

In partnership with:



Help Guide

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The Specialist Schools Maths Challenge

Welcome to our Specialist Schools Maths Challenge, in partnership with the Specialist Schools and Academies Trust.

This exciting fourteen day challenge will involve your Year 7 students answering as many correct questions, online, as they can over the duration of the challenge – in school and at home. The school that gains the most points will win the challenge; we will also be looking for the top student and top class! The students will gain points by playing the Live Mathletics global online game (1 point for every correct answer) and answering questions from the curriculum activities (10 points for every correct answer). Your students may practise prior to the challenge BUT no points will count towards the challenge until the midday on Wednesday 11th June

Starts at midday on Wednesday 11th June, and ends at midday on Wednesday 25th June.

On the day the challenge starts you will need to:

- Login to www.mathletics.co.uk/specialist
- Every student will need to sign in using their own unique *username* and *password* to access Mathletics

Homepage

The Specialist Schools Year 7 Maths Challenge
 Start: Monday, 9th June 12:00pm | Finish: Friday, 20th June 12:00pm | Time to Start: 33 : 12 : 36

In Partnership with Specialist Schools and Academies Trust

Register Your School in the Specialist Schools Maths Challenge here!

Year 7 students in Science, Technology, Engineering and Maths and Computing Specialist Schools will battle it out in a one off mathematics challenge. They will have the task of answering as many correct questions as they can to make their school the Specialist Champion! They will compete using Mathletics, an online global Maths programme using Live Mathletics - a 60 seconds mental arithmetic showdown and by completing National curriculum based activities.

Register your School Here

Name

School

Email

Position

Address

Postcode

Local Authority Please select

Telephone

SUBMIT

Specialist Challenge Hall of Fame

The Hall of Fame is set up to show you how you are doing in comparison to the rest of the Specialist Schools and other students.

This is what it looks like:

| Rank | Student | School | Score |
|------|--------------|--|-------|
| 1 | Titilopemi W | Haberdashers' Aske's Hatcham Academy, United Kingdom | 2,133 |
| 2 | Lola R | Haberdashers' Aske's Hatcham Academy, United Kingdom | 1,345 |
| 3 | Patrick O | The Bridge Academy, United Kingdom | 1,304 |
| 4 | Driscoll B | Stockley Academy, United Kingdom | 1,085 |
| 5 | Dinesh P | Thomas Deacon Academy, United Kingdom | 1,070 |
| 6 | James R | The Bridge Academy, United Kingdom | 988 |
| 7 | Nathan D | David Young Community Academy, United Kingdom | 979 |
| 8 | Jamal A | David Young Community Academy, United Kingdom | 870 |
| 9 | Reeaid I | The Bridge Academy, United Kingdom | 832 |
| 10 | Annie H | Haberdashers' Aske's Hatcham Academy, United Kingdom | 716 |

www.mathletics.co.uk/specialist

Getting Started: The Launch Lesson

Be prepared for an exciting lesson!

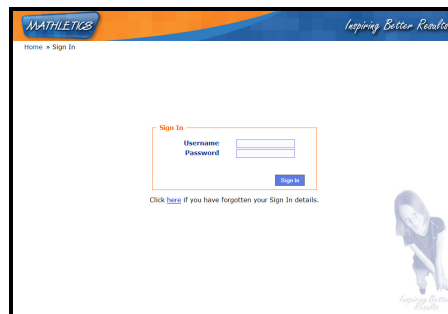
It is best to introduce Mathletics in a computer lab where each student will have access and there is a data projector or interactive white board available (demonstration computer). Please check that the computers have the **minimum technical requirements; good internet access and Flash 9**. Visit our main website www.mathletics.co.uk and look in the Guides section under Technical Help for more information. You will also find more detailed user guides which you may wish to refer to:

Step 1: Visit: www.mathletics.co.uk/specialist on the demonstration computer.

Explain to the students that they are about to play Maths against students from STEM Specialist Schools and from all around the world!

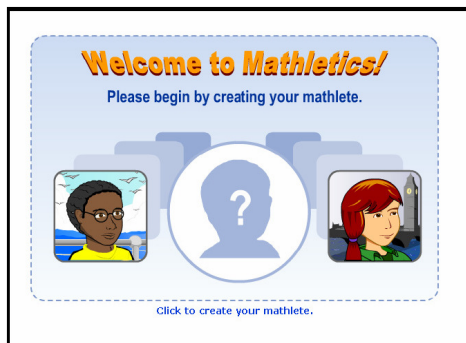
Step 2: Sign In

Ask a student to Sign In on the demonstration computer using their own unique username and password.



Step 3: Create Your Mathlete

The first time a pupil signs in he or she will be asked to make their Mathlete. This is the character that they play under.



Inform the students that they are able to earn **credits** for their Mathlete by gaining High Scores and Participation Certificates. The credits are used to obtain additional items for their Mathlete. **Click on the money bag to access the virtual shop!**



Once finished make sure you save your changes before exiting the shop!

Step 4: Live Mathletics

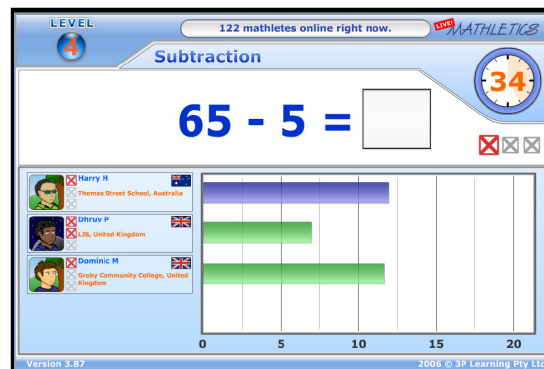
Ask the student on the demonstration computer to **select Play Live Mathletics**, then **Select Find Me A Game!**



The computer will now search for other Mathletes from around the world who are playing online at the same time.



Usually students will be pitched against other students - sometimes they will play against a computer or a teacher. The idea of the game is to correctly answer as many questions as possible in 60 seconds - Be careful, 3 strikes and you are out!



Now let the rest of class have a turn!

HINT

We recommend that at this stage all of the students be allowed to Sign In. They should spend around 2 to 3 minutes on Mathlete Maker and then about 10 minutes playing Live Mathletics.
Expect them to be excited!

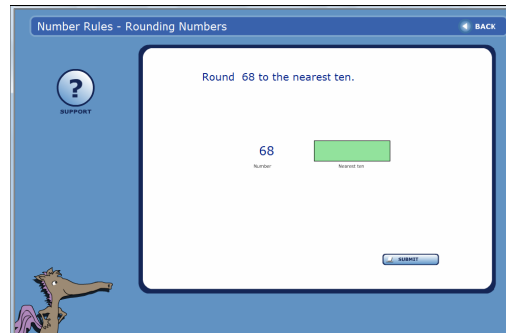
Step 5: Full Curriculum

Stop the class from working on individual computers and have them watch the student on the demonstration computer again. Return to the main student centre screen (by clicking on the back button in the top right hand corner of Live Mathletics screen).

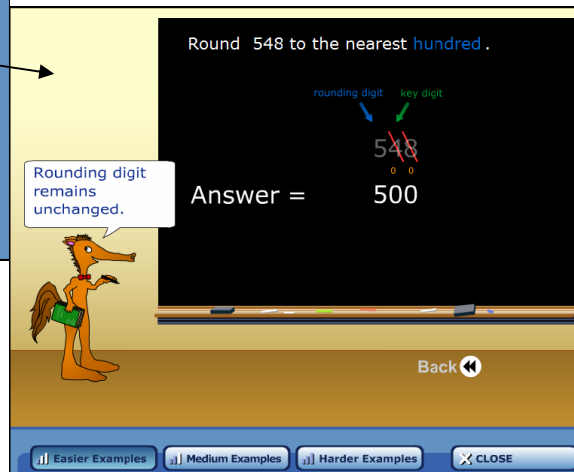
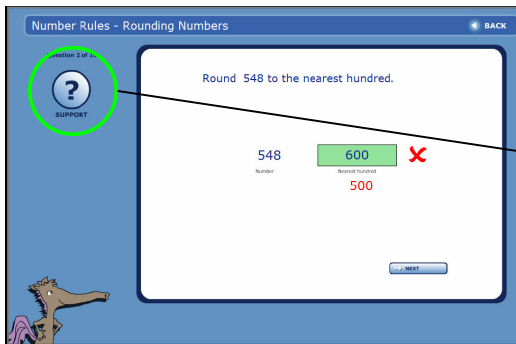
Then have the student select a topic and then an activity



Select Start Activity and then start answering the question



Encourage the students to stop and think why they might have made a particular mistake and to strategise how to solve it correctly next time. If the students are at all unsure as to how to solve the problem they should visit the Support Centre.



HINT

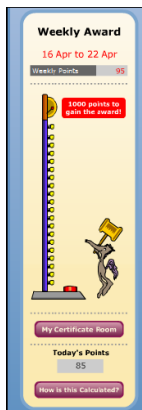
The Support Centre can be beamed up in a normal lesson and can act as a great way to introduce a concept to the class. The Support Centre is highly visual and steps students through how to solve a particular problem.

Students will see their results reflected back in the Student Centre.



Step 4: Points and Certificates

Set the students the challenge of gaining 1,000 points - this will earn them a Participation Certificate for the week. Students gain 1 point for each correct answer in Live Mathletics (2 points for their bonus level) and 10 points per correct answer in the Full Curriculum activities! These points determine the rankings on the Hall of Fame.



Mathletics World Hall of Fame

Time Remaining: 21 h 44 m

| World Top 100 Students | World Top 50 Classes | UK Top 100 Students | UK Top 50 Classes |
|------------------------|--|---------------------|-------------------|
| 1 Jordan C | Hallam Primary School, VIC, Australia | 2,858 | |
| 2 Nicholas C | | 2,570 | |
| 3 Natalie S | | 2,270 | |
| 4 Nichil K | | 2,210 | |
| 5 Ikra Y | Thomas Deacon Academy, United Kingdom | 2,148 | |
| 6 Jason B | | 2,096 | |
| 7 Milosh C | | 2,006 | |
| 8 William H | | 1,979 | |
| 9 Harshad H | | 1,863 | |
| 10 M M | R.S. Payne Elementary, VA, United States | 1,860 | |

Callout for Ikra Y: 2148 Points

Give the class some guidance as to what topics and activities you would like them to work on. Have the students return to their computers and complete some full curriculum activities.

HINT

Let the students take home their Sign In cards so that they may continue to use Mathletics at home - alternatively have them write their username and passwords in their school diary.

Encourage them to Sign In from home tonight!

Encourage the students to try their best and answer as many correct answers as possible. This will help the class appear on the Class section of the Hall of Fame!

Using the Teacher Centre

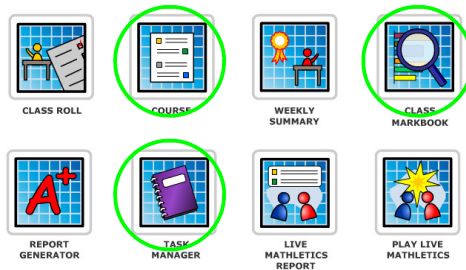
Teachers logging in

When you log in as a teacher you will access the Teacher area

| Class | Course | Class Admin | Trial Student | Sign In Cards |
|-------|-----------|-----------------------------|-------------------------------|-----------------------|
| 5C | YEAR 5 UK | Class Admin | Trial Student | Print |

Class Admin

Once you click on this you will access the teacher centre. There are 8 options:



The three main functions you need are; **Course**, **Class Mark book** and **Task Manager**!

Course

Click on 'Select Viewable Topics'



You can choose which curriculum topics you want the students to work through. Simply select or deselect which topics you want viewable, then click SAVE.

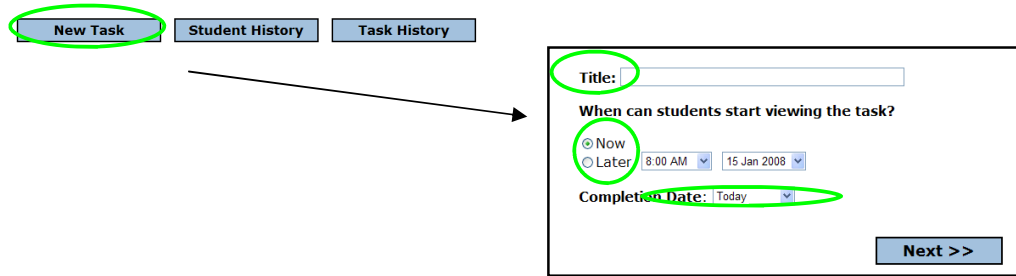


Task Manager

You are able to set your class specific curriculum topics to complete for homework.

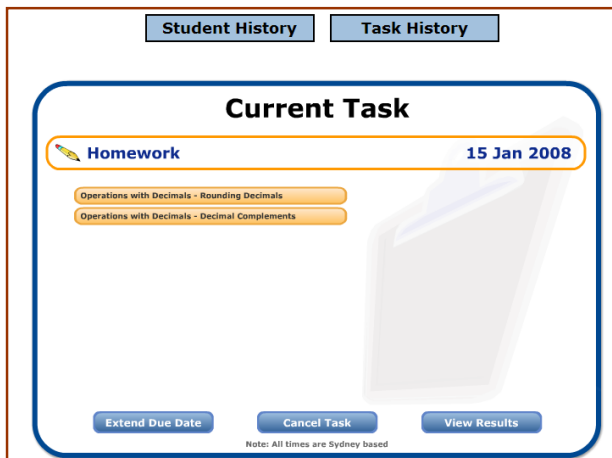
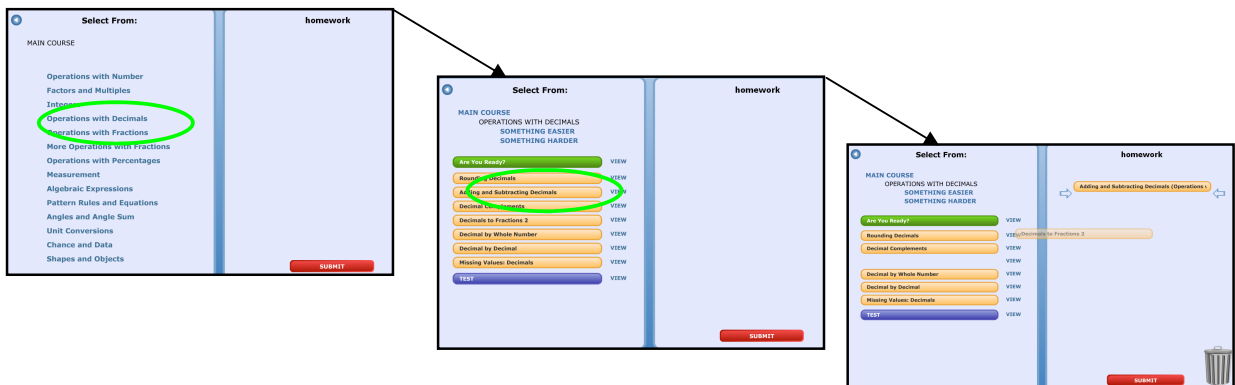
Click on 'Task Manager'

Then click on New Task. You now need to give your task a unique title and then set when you want the students to view and complete the task.



Now select which topics you want for homework

Simply click on the topic, drag the topic over to the other side and click *submit*.



HINT

Now that homework is set, students are locked out from the rest of the program UNTIL they have completed their homework!

Class Mark book

Any work that students complete will automatically feed through to the class mark book. You will then be able to view student's results and assess what areas each student needs to focus in. Whilst the students are completing their activities, at any time you can refresh the page (Hit key F5) to show their most recent scores.

The first page shows any TEST results. If you click on one of the topics along the top, you can view the topic in more detail.

| | Number Rules | Operations with Number | Fraction Rules | Decimal Power | Patterns and Algebra | Units of Measurement | Area, Perimeter and Time | Space and Geometry | Graphs, Chance and Data | Ratio and Proportion | Average Test Score |
|--------------------|--------------|------------------------|----------------|---------------|----------------------|----------------------|--------------------------|--------------------|-------------------------|----------------------|--------------------|
| Average | 90 | - | - | 100 | - | 55 | - | 95 | 90 | - | 84 |
| Cook, Andrew | - | - | - | 100 | - | - | - | - | - | - | 100 |
| Lane, Craig | - | - | - | - | - | - | - | - | - | - | - |
| Lawday, Annabel | 90 | - | - | - | - | - | - | - | - | - | 90 |
| Melia, Tobias | - | - | - | - | - | - | - | - | - | - | - |
| Peacock, Lee | - | - | - | - | 55 | - | - | - | - | - | 55 |
| Peritz Wynne, Judy | - | - | - | - | - | - | 95 | 90 | - | - | 92 |
| Warburton, Jayne | - | - | - | - | - | - | - | - | - | - | - |

Course: YEAR 6 UK, Unit: Operations with Number
All Results: To 15 Jan 2008

| | Are You Ready | Estimation: Add and Subtract | Estimation: Multiply and Divide | Adding Colossal Columns | Subtracting Colossal Columns | Long Multiplication | Calculating Percentages | Multiplication Facts | Division Facts | Percentage Composition | Mental Methods Division 3 | Mental Methods Multiplication 2 | Grid Methods 3 | Remainders by Tables | TEST |
|--------------------|---------------|------------------------------|---------------------------------|-------------------------|------------------------------|---------------------|-------------------------|----------------------|----------------|------------------------|---------------------------|---------------------------------|----------------|----------------------|------|
| Average | 78 | 76 | 75 | 80 | 65 | 70 | 80 | 95 | 90 | 80 | - | - | - | - | - |
| Cook, Andrew | 78 | 80 | - | 90 | - | 60 | - | - | - | 80 | - | - | - | - | - |
| Lane, Craig | 67 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lawday, Annabel | - | 80 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Melia, Tobias | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Peacock, Lee | 78 | 70 | 70 | 70 | 40 | 50 | - | 90 | - | - | - | - | - | - | - |
| Peritz Wynne, Judy | 89 | - | - | 80 | 90 | 100 | 80 | 100 | 90 | - | - | - | - | - | - |
| Warburton, Jayne | - | - | 80 | - | - | - | - | - | - | - | - | - | - | - | - |

Activities Something Harder Something Easier

HINT

To retrieve a true Class Average for each topic, each activity needs to be complete by ALL students. Try to achieve completed columns rather than rows.

**Remember on the day the challenge commences
Your students will need to sign in to the following website**

www.mathletics.co.uk/specialist

GOOD LUCK WITH THE CHALLENGE!!

Please do not hesitate to contact us any time if you have any questions or problems.

Phone 0117 370 1990

Email – customerservice@3plearning.co.uk

www.mathletics.co.uk/specialist