



## MATHLETICS FOR TEACHERS

Welcome to the Mathletics community! The Teacher Console is designed to help you enhance your students' experience of Mathletics and gather valuable insight into their progress. A host of valuable tools, reports and learning resources are available – allowing teachers to easily tailor Mathletics to the varied needs of their classrooms, in turn leading to better differentiation, more focused learning and improved results.

### GETTING STARTED

This is the Mathletics homepage. Simply click the [Sign In](#) button and enter your username & password.

The screenshot shows the Mathletics homepage with a navigation bar (Home, About, Testimonials, Schools, Purchase, Sign In) and a main content area. A 'Sign In' button is highlighted with an arrow. The main content includes a 'Mathletics Hall of Fame' section with a table of top students and classes, and a 'Mathlete of the Week' section featuring Jonah J.

Mathletics Hall of Fame			Time Remaining
World Top 100 Students	World Top 50 Classes		19 : 30 : 13
1	ورود ا	5th Secondary School (Riyadh), ARR, Saudi Arabia	9,343
2	Cooper D	St James' Primary School, NSW, Australia	9,242
3	رهبان ا	Al Hussan Girls School (Combined), ASH, Saudi Arabia	6,470
4	Tae Wan K	1st International School of Ostrava, s.r.o., Ostrava, Czech	6,011
5	Daniel S	1st International School of Ostrava, s.r.o., Ostrava, Czech	5,952
6	Timothy C	Middle Park State School, QLD, Australia	5,300
7	حصبة ا	5th Secondary School (Riyadh), ARR, Saudi Arabia	5,031
8	Chloe W	Quinns Baptist College, WA, Australia	4,990
9	Isaac I	Florville Public School, NSW, Australia	4,834
10	Holly W	Upper Horfield Primary School, Bristol, United Kingdom	4,690

**Mathlete of the Week**  
**Jonah J**  
 Tokyo International School, Japan  
**PRIZE: Specially Made Trophy**  
[How is it calculated?](#)

Check out the [Hall of Fame](#), showing the top students in the world (and your local country) today. Look out for your students in the Top 50 classes!

The first time you sign in, you will be taken to the [FaceMaker](#) to create your avatar – time to get creative!

The screenshot shows the FaceMaker interface with a 'Select Background' section and a preview of the created avatar. The avatar is a man with a beard and glasses, wearing a blue shirt, with the name 'Isaac Newton' and school 'St Phillip's School' displayed below.

**FaceMaker** BACK

**Select Background**

FACE BACKGROUND  
 CLOTH EYES  
 GLASSES HAIR  
 HAT MOUTH  
 NOSE

I'm Feeling Funky  
 Save and Exit  
**Isaac Newton**  
 St Phillip's School



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### GETTING STARTED

This is the main **Teacher Console** – your launch pad to the many tools, reports and resources available to you.

The screenshot displays the Mathletics Teacher Console for Leigh Redman at The New Thomas Street. The interface includes a user profile, a navigation menu with icons for Classes, Courses, Results, Reports, Lessons, eBooks, Demonstrations, Toolkit, and Assessments, and a footer with links for Hall of Fame, Print Certificates, Print Sign In Cards, and Teacher Discounts.

If you are using Mathletics with your class for the first time, the best place to start is here. Access and print the sign-in cards for your students, to give them their individual usernames and passwords



The **Teacher Console** is a powerful toolbox for teachers, designed to reduce workload by automating marking, reporting and administration – while providing world class learning resources to empower educators with the time and freedom to teach.



### MATHLETICS TEACHER APP AVAILABLE FOR MOBILE DEVICES

Ever leave school for the day and forget to set those homework tasks for your class? Or maybe you'd like to review your students' results on the commute home? Teachers can now take their access anywhere with the Mathletics app for selected mobile devices.

For more information visit [www.mathletics.com/mobile](http://www.mathletics.com/mobile)



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### THE TEACHER CONSOLE



#### CLASSES

The **Classes** tool allows teachers to easily manage the classes and groups of students that they are responsible for. Add students into your classes or move them around. It is also possible to split a class into up to six groups, each assigned their own curricula for even greater differentiation.

For a more detailed look at the [Classes](#) tool, see page 6 of this guide.



#### COURSE

The **Course** tool is a window on the huge library of nationally-aligned curricula available within Mathletics. Explore the many courses available and assign any of them to your own class. There is also the option to create a bespoke course from the thousands of components available, to perfectly suit the needs of your class or school.

For a more detailed look at the [Course](#) tool, see page 6 of this guide.



#### RESULTS

**Results** is one of the cornerstone tools for teachers. Both an integrated digital mark book - where students' results appear in real time – and also a tool for setting targeted curriculum activities to individuals or groups of students. Create bespoke learning pathways in just a couple of clicks. **Results** also provides guidance with visual cues, highlighting students potential areas of development.

For a more detailed look at the [Results](#) tool, see page 11 of this guide.



#### REPORTS

**Reports** is the main dashboard for a host of automated student results data. From individual student summary reports (great for parent/teacher meetings) to weekly summaries of classroom performance, improvements and certificates, to specific reports from the Live Mathletics area, **Reports** is a one-stop-shop putting key data at your fingertips.

For a more detailed look at the [Reports](#) tool, see page 13 of this guide.



#### ASSESSMENTS

The **Assessments** tool is a great resource through which you can assign standard benchmarking tests to your students. Once students have completed the tests, Assessments will provide useful diagnostic and analytic information. Used at regular intervals, Assessments is a key resource for tracking student improvement.

For a more detailed look at the [Assessments](#) tool, see page 15 of this guide.



## MATHLETICS FOR TEACHERS

Welcome to the Mathletics community! The Teacher Console is designed to help you enhance your students' experience of Mathletics and gather valuable insight into their progress. A host of valuable tools, reports and learning resources are available – allowing teachers to easily tailor Mathletics to the varied needs of their classrooms, in turn leading to better differentiation, more focused learning and improved results.

### THE TEACHER CONSOLE



eBOOKS

The library of Mathletics **eBooks** is a huge additional teaching and learning resource to the online curriculum area. Building to several thousand printable pages, each year/grade level has several eBooks available to download – individually targeted at a specific strand of mathematics. Integrated interactive components bring the digital page to life. Student and teacher eBooks are available.

For a more detailed look at the **eBooks**, see [page 17 of this guide](#).



DEMONSTRATIONS

For working directly with your class, the **Demonstrations** icon is very useful. One click will take you directly to the student interface – with the relevant curriculum and content for your class – allowing you to see what the students see. This is particularly useful for whole-class demonstrations and interactive whiteboard use.



TOOLKIT

The **Toolkit** is a portal to view and browse all of the multimedia content available within Mathletics. Use keywords to search the library for Concept Search components, activities, video and tutorials. This is particularly useful for whole-class demonstrations and interactive whiteboard use.



LESSONS

**Lessons** is another corner tool within Mathletics, allowing teachers to create rich multimedia lesson plans - even sharing the lessons with colleagues. These lessons are perfect for **one-to-one teaching** or **Interactive Whiteboard use** in a classroom.

For a more detailed look at the **Lessons** tool, see [page 18 of this guide](#).



The **Action Bar** along the bottom of the screen contains useful links – for example to [print your students' certificates](#).



We are always releasing new and updated features for teachers. Be sure to follow the Mathletics blog for regular news.



## LIVE MATHEMATICS

**Live Mathletics** has ten levels across all gaming areas. These are the same ten levels for all students. Below is a summary of what question types are included at each level.

### THE TEN LEVELS

- 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 0.0  
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
- LEVEL 7** 24 hour time  
Converting between  $m^2$  and  $cm^2$   
Converting between  $cm^2$  and  $mm^2$   
Converting between  $m^3$  and  $cm^3$   
Converting between  $cm^3$  and  $mm^3$   
Solving simple one step equations  
Solving simple two step equations  
Simple ratios with two numbers  
Cubes  
Adding and subtracting negative numbers  
Multiplying negative and positive numbers
- LEVEL 8** Algebraic substitution  
Converting between  $m^2$  and  $cm^2$   
Converting between  $cm^2$  and  $mm^2$   
Converting between  $m^3$  and  $cm^3$   
Converting between  $cm^3$  and  $mm^3$
- LEVEL 9** Surface area of cubes  
Pythagorean triads  
Expanding brackets  
Find the midpoint between two points  
Factorising simple quadratics  
Expanding simple quadratics  
Algebraic substitution
- LEVEL 10** Algebraic substitution  
Logarithms  
Pythagorean triads  
Factorising simple quadratics  
Expanding simple quadratics  
Solving equations  
Surface area of cubes





## CLASSES

In the **Classes** area you can move your students between classes, as well as divide your class into a number of **learning groups**, allowing you to assign different curriculum levels to specific groups of students.

### CREATE GROUPS WITHIN A CLASS

#### STEP ONE

Select the class you wish to work with from the dropdown menu.

#### STEP TWO

Click the **New Group** tab, and give your new group a name and default course. **Note: the group name is not visible to students.**

Isaac Newton St Phillip's School

Class: Demo Year 6

Student	Username/Password	Group	Course
Bamford, Yvonne	YB-8464/down87	Demo Year 6	England Year 6
Berry, Liz	LC77720/curb77	Demo Year 6	England Year 6
Caruana, David	DC-3795/rugby56	Demo Year 6	England Year 6
Cobb, Claire	CC-3458/scout73	Demo Year 6	England Year 6
Condon, Carole	CC10046/sniff19	Demo Year 6	England Year 6
Cox, Rachel	RC90491/curve11	Demo Year 6	England Year 6
Davies, Cat	CD70531/blue25	Demo Year 6	England Year 6
Eagling, Lisa	LP8525/click25	Demo Year 6	England Year 6
Gibbs, Romilly	RG38478/spoke12	Demo Year 6	England Year 6
Griffiths, Kay	KG04915/rent59	Demo Year 6	England Year 6
Jones, Bronwen	BJ8405/chip10	Demo Year 6	England Year 6
Leskova, Zlatica	ZL-7303/shave96	Demo Year 6	England Year 6
Loizou, Evy	EL-2103/ocean95	Demo Year 6	England Year 6
M, Michelle	MM-16678/tick30	Demo Year 6	England Year 6
Mackey, Kathleen	KM95691/fifth25	Demo Year 6	England Year 6
Mc Kenna, Clare	CM25487/ocean22	Demo Year 6	England Year 6
Niemczyk, Monika	MN7573/blink91	Demo Year 6	England Year 6

#### STEP THREE

To move students into this new group, simply drag and drop them from the main list of student names (in the first tab) up to the newly created tab for the group.

#### STEP FOUR

Should you need to, you can **rename** or **delete** your group at any time here.



Groups are fantastic for mixed ability classes, allowing individual learning pathways for specific students.



Students in groups remain in their original **class** for results purposes and on the Hall of Fame, but will have access to the different curriculum assigned to their **group**.



You can split a class into up to six groups, each with their own individual curriculum settings.



To change a student's password, click in the relevant cell and simply overtype. Updates are automatically saved.



## CLASSES

In the **Classes** area you can move your students between classes, as well as divide your class into a number of **learning groups**, allowing you to assign different curriculum levels to specific groups of students.

### MOVE STUDENTS BETWEEN CLASSES

#### STEP ONE

Select the class you wish to move the student(s) into using the dropdown menu.

#### STEP TWO

Click the **Move Students** button at the bottom of the screen.

The screenshot shows the 'Classes' management interface for Isaac Newton St Phillip's School. The main area displays a list of students in the 'Demo Year 6' class. A search filter is active, showing 'Surname: All', 'Grade/Year: All', and 'Classes: 3P'. A table on the right, titled 'Step 2: Drag students across into group', shows a list of students with columns for 'Student', 'Gr...', 'Class', and 'Course'. An arrow points from the 'Move Students' button at the bottom to the 'Step 2' table. Another arrow points from the 'Class' dropdown menu to the 'Demo Year 6' class selection.

Student	Course
Bamford, Yvonne	England Year 6
Berry, Liz	England Year 6
Caruana, David	England Year 6
Cobb, Claire	England Year 6
Condon, Carole	England Year 6
Cox, Rachel	England Year 6
Davies, Cat	England Year 6
Eagling, Lisa	England Year 6
Gibbs, Romilly	England Year 6
Griffiths, Kay	England Year 6
Jones, Bronwen	England Year 6
Leskova, Zlatica	England Year 6
Loizou, Evy	England Year 6
M, Michelle	England Year 6
Mackey, Kathleen	England Year 6
Mc Kenna, Clare	England Year 6

Student	Gr...	Class	Course
Marsh, Lily	Year 3	3P	England Year 3
Miller, Francesca	Year 5	3P	England Year 5
Thatcher, Maggie	Year 3	3P	England Year 3

#### STEP THREE

Use the dropdown menus to locate the student(s) you wish to move into your class. These will appear in the table below.

#### STEP FOUR

Simply drag and drop your required student(s) from right to left, into your class list. The student accounts - and their results data - will be transferred to your class immediately.



When moving a student between classes you have the option to **COPY** their account – great if a student is required to be linked to more than one class at once.



You can transfer any student linked to the school's account into your class or group.



## COURSES

In **Courses** you can explore the many internationally aligned curricula available within Mathletics. You can also create your own completely bespoke course for use in your classroom.

### VIEW OR CHANGE COURSES

#### STEP ONE

Select your class and group. This will display the course currently assigned to those students.

#### STEP TWO

To explore the activities outside of the core, simply click the **Something Easier/Harder** buttons.

#### STEP THREE

Explore other available courses here. To assign to selected class, click **Set Course**.



**GUIDES** are available for all activities, containing sample questions and teaching hints. Simply click on the links in the central panel.



**PREVIEW** any activity by right-clicking it in the central panel area. This will display the student view of the activity.





## COURSES

In **Courses** you can explore the many internationally aligned curricula available within Mathletics. You can also create your own completely bespoke course for use in your classroom.

### CREATE A BESPOKE COURSE

#### STEP ONE

You can choose to create a new course from scratch, or use an existing course as a template and make your own changes.

#### STEP TWO

Select one or more year groups for which your course is intended and also give your course a name. We recommend a descriptive name for easy filing.

**NOTE : Course names are not visible to students.**

CONTINUED...



All custom courses created can be viewed and used by all teachers linked to the school's Mathletics account. Great for collaboration and sharing content.



The Course Creator tool is perfect when the default national courses are not suited. For example an after-school club, advanced groups or support classes.



## COURSES

In **Courses** you can explore the many internationally aligned curricula available within Mathletics. You can also create your own completely bespoke course for use in your classroom.

### CREATE A BESPOKE COURSE

#### STEP THREE

Search for content to add to your course by **Activity Name**, **Topic**, or by **Outcome**. To preview any activity simply right-click it.

The screenshot shows the 'Courses' interface with the following elements:

- Course Management:** A 'Course' box at the top left with the text 'Set courses and edit courses'. Buttons for 'Rename Course', 'Save Course', and 'Exit' are at the top right.
- Step 1:** 'Select a Course to edit' with a dropdown menu.
- Step 2:** 'Select which topic you want to edit'. A list of topics is shown on the left, including 'Number and Place Value', 'Addition and Subtraction', 'Multiplication', 'Division', 'Fractions', 'Money', 'Patterns and Algebra', 'Measuring Length, Mass and Capacity', 'Measuring Time', 'Shape', 'Location and Transformation', 'Geometry', and 'Chance and Data'. Buttons for 'Add Topic' and 'Rename Topic' are at the bottom.
- Step 3:** 'Search for Activities by Topic'. A search panel with filters for 'Country' (Australia), 'Age Range' (All), and 'Topic' (Angles). A list of activities is shown on the right, including 'Angles and Parallel Lines', 'Angles in a Revolution', 'Equal, Complement or Supplement?', 'Labelling Angles', and 'Parallel Lines'. A 'Right click to preview' instruction is present.
- Activities Panel:** A central panel with a list of activities: 'Which is Smaller?', 'Which is Bigger?', 'Model Numbers', 'Expanding Numbers', 'Place Value to Thousands', 'Put in Order 1', 'Odd and Even Numbers 1', and 'Counting by Twos'. Each activity has a 'Guide' link and a 'Right click to preview' instruction.

#### STEP FOUR

You can add in a new topic here or rename an existing one. To delete a topic, simply drag it to the bin.

#### STEP FIVE

Simply drag and drop your chosen activities into the central panel. You can also change the order of the activities in this way. To remove an activity, simply drag it into the bin. Once complete, click **Save Course** at the top of the screen.



Once you have completed and saved your new custom course, Mathletics will automatically add the related **Something Easier/Harder** activities. **If you wish, you can then edit these in the main Courses screen.**



Custom courses are available for all teachers in the school to use and assign to their classes. They are stored in the main course lists, under the name of the school.



## RESULTS

The **Results** area is one of the cornerstone tools for teachers. An integrated digital mark book and also a tool for setting targeted curriculum activities to individuals or groups of students. **Use real time results data to create bespoke learning pathways, based on individual student results, in just a couple of clicks.**

### VIEWING STUDENT RESULTS

#### STEP ONE

Select your class and group. This will display the results data for that group of students.

	Numbers	Fractions	Operations with Fractions	Decimals and Percentages	Addition and Subtraction	Multiplication and Division	Patterns and Algebra	Probability and Data	Length, Perimeter and Area	Volume, Mass and Capacity	Time and Temperature	Lines and Angles	Shape 1	Shape 2	Position
Class Average	92	98	95	97	100	100	97	-	-	-	-	-	100	-	97
Bamford, Yvonne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berry, Liz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caruana, David	100	100	100	100	100	100	100	-	-	-	-	-	100	-	100
Candon, Carole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cox, Rachel	100	-	-	-	-	-	-	-	-	-	-	-	-	-	100
Davies, Cat	-	94	92	-	-	100	93	-	-	-	-	-	-	-	87
Eagling, Lisa	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gibbs, Romilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jones, Bronwen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leskova, Zlatica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M, Michelle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mackey, Kathleen	91	100	92	94	-	-	-	-	-	-	-	-	-	-	-
Mc Kenna, Clare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niemczyk, Monika	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

#### STEP TWO

Results for each student are displayed horizontally across the matrix. Data on this front page relates to results achieved in the **TEST** activities of each topic.

#### STEP THREE

Click any one of the blue topic titles along the top of the results matrix to view results data for the individual activities within that topic.

CONTINUED...



Results under 85% (the target benchmark to achieve mastery of an activity) are displayed in **red**. This serves as a visual cue for teachers to easily identify potential development areas.



Research shows that 97% of students achieve mastery (a score of 85% or higher) after just three attempts. Encouraging repetition of Mathematics curriculum activities is recommended.



## RESULTS

The **Results** area is one of the cornerstone tools for teachers. An integrated digital mark book and also a tool for setting targeted curriculum activities to individuals or groups of students. **Use real time results data to create bespoke learning pathways, based on individual student results, in just a couple of clicks.**

## SETTING TASKS

### STEP FOUR

To assign a specific curriculum task for your students - click the blue arrow in the **Action Bar**.

### STEP FIVE

Choose to assign the task to every student, or any student who has previously scored <85%. Alternatively, click on an individual cell in the table to set a task for a single student. **Set tasks will be indicated in gold.**

Isaac Newton  
St Phillip's School

Class: Eagle Class Group: Advanced Group

Activities

Assigned Tasks:  On  Off

Cancel All Tasks

Assigned Activities

Update Results

England Year 6 Numbers	Are You Ready?	Place Value to Millions	Expanded Notation	Numbers in Words	Rounding Numbers	Negative or Positive?	Dividing by 10, 100, 1000	Dividing by 10, 100, 1000	Factors	Highest Common Factor	Multiples	Lowest Common Multiple	Prime or Composite?	Test
<b>Action Bar</b>														
Class Average	98	85	97	95	91	96							93	92
Bamford, Yvonne	94	90	100	100	90	-							-	-
Berry, Liz	-	-	-	-	-	-							-	-
Canuana, David	94	100	100	100	100	100							100	100
Condon, Carole	-	-	-	-	-	-							-	-
Cox, Rachel	100	100	100	100	100	100							100	100
Davies, Cat	100	-	90	100	100	100	100	100	100	-	60	-	-	-
Eagling, Lisa	-	100	100	90	100	100	100	90	-	70	80	-	-	75
Gibbs, Romilly	-	-	-	-	-	-				70	-	70	-	-
Jones, Bronwen	-	50	-	70	90	100	100	90	-	60	100	-	-	-
Leskove, Zlatica	-	-	-	-	-	-				-	-	-	-	-
M, Michelle	-	-	-	-	-	-				-	-	-	-	-
Mackey, Kathleen	100	100	100	100	100	90	100	100	100	80	100	70	90	91
Mc Kenna, Clare	-	-	-	-	-	-				-	-	-	-	-
Niemczyk, Monika	-	-	-	-	-	-				-	-	-	-	-

Something Easier | **Activities** | Something Harder

### STEP SIX

To ensure students are alerted to their assignments, set **Assigned Tasks** to "ON".

### STEP SEVEN

When they next sign in, students will receive a pop-up in their Student Console advising they have assignments to complete. **All other areas of Mathletics will be locked until they have done so.**



Hover over an individual result in the table – a pop-up will appear detailing the number of attempts a student has had at that activity and their latest score.



### MATHLETICS TEACHER APP AVAILABLE FOR MOBILE DEVICES

Ever leave school for the day and forget to set those homework tasks for your class? Or maybe you'd like to review your students' results on the commute home? Teachers can now take their access anywhere with the Mathletics app for selected mobile devices.

For more information visit [www.mathletics.com/mobile](http://www.mathletics.com/mobile)



## REPORTS

The **Reports** area is the main dashboard for a host of automated student results data. From individual student summary reports, weekly summaries of classroom performance, improvements and certificates, and specific reports from the Live Mathematics area, **Reports** puts key data at your fingertips.

### USING MATHEMATICS REPORTS

#### STEP ONE

Select your class and group. This will display the results data for that group of students.

Isaac Newton  
St Phillip's School

Class: Eagle Class Group: Advanced Group

WEEKLY SUMMARY REPORT GENERATOR LIVE MATHS REPORT

#### STEP TWO

The **Weekly Summary** report displays a summary of all **points** and **certificates** in a particular week.

#### STEP THREE

For students earning over 1000 points in a week, a link will appear to access and print their certificate. **A great motivator for students.**

Isaac Newton  
St Phillip's School

Class: Eagle Class Group: Advanced Group

REPORTS - Weekly Summary

Award Week: 05 November 2012 to 11 November 2012

Student Name	Participation	Total Certificate(s)
Yvonne Bamford	0	1
Liz Berry	100	1
David Caruana	1677	7 <a href="#">Mathletics Bronze</a>
Carole Condon	0	1
Rachel Cox	0	14
Cat Davies	479	53
Lisa Eagling	0	6
Romilly Gibbs	0	1
Bronwen Jones	0	2
Zlatica Leskova	0	0
Michelle M	0	0
Kathleen Mackey	155	10
Clare Mc Kenna	0	0
Monika Niemczyk	0	10

November 2012

21 November 2012



## REPORTS

The **Reports** area is the main dashboard for a host of automated student results data. From individual student summary reports, weekly summaries of classroom performance, improvements and certificates, and specific reports from the Live Mathematics area, **Reports** puts key data at your fingertips.

### USING MATHEMATICS REPORTS

#### STEP FOUR

The **Report Generator** will create a bespoke report for an individual student – including points, improvement statistics and awards. Great for parent/teacher meetings. Click the **View** link next to your required student.

Report Generator

Isaac Newton  
St Phillip's School

Help Print Export Back

Class Eagle Class Group Advanced Group

Reports - Student Report

Student Name	Year	Teacher Name	
Yvonne Bamford	Demo Year 6	Isaac Newton	View
Liz Berry	Demo Year 6	Isaac Newton	View
David Caruana	Demo Year 6	Isaac Newton	View
Carole Condon	Demo Year 6	Isaac Newton	View
Rachel Cox	Demo Year 6	Isaac Newton	View
Cat Davies	Demo Year 6	Isaac Newton	View
Lisa Eagling	Demo Year 6	Isaac Newton	View
Romilly Gibbs	Demo Year 6	Isaac Newton	View
Bronwen Jones	Demo Year 6	Isaac Newton	View
Zlatica Leskova	Demo Year 6	Isaac Newton	View
Michelle M	Demo Year 6	Isaac Newton	View
Kathleen Mackey	Demo Year 6	Isaac Newton	View
Clare Mc Kenna	Demo Year 6	Isaac Newton	View
Monika Niemczyk	Demo Year 6	Isaac Newton	View
Kate Oakley-Green	Demo Year 6	Isaac Newton	View
Lisa Peacock	Demo Year 6	Isaac Newton	View

#### STEP FIVE

The **Live Maths** report displays a summary of all results data from the 10 levels of **Live Mathematics**.

#### STEP SIX

For older (or more advanced) students, you may wish to deactivate lower levels of **Live Mathematics** here.

Live Maths Report

Isaac Newton  
St Phillip's School

Help Print Export Back

Class Eagle Class Group Advanced Group

Reports - Live Mathematics Report

Select Level 1 2 3 4 5 6 7 8 9 10

Student Name	Correct Answer(s)	Accuracy %	Questions/Min	High Score
Yvonne Bamford	39	95	41	39
Liz Berry	195	99	49	52
David Caruana	598	100	42.7	55
Carole Condon	81	98	40.5	41
Rachel Cox	2560	96	24.6	84
Cat Davies	4743	98	29.9	76
Lisa Eagling	5901	96	25.6	61
Romilly Gibbs	71	99	35.7	54
Bronwen Jones	6684	97	27.7	57
Zlatica Leskova	0	0	0	0
Michelle M	0	0	0	0
Kathleen Mackey	1429	98	31.5	53
Clare Mc Kenna	220	99	36	42
Monika Niemczyk	1550	99	41.1	63
Kate Oakley-Green	86	100	43	45

Set minimum levels



## ASSESSMENTS

The **Assessments** tool can assign standard benchmarking tests to your students. Once students have completed the tests, Assessments will provide useful diagnostic and analytic information. Used at regular intervals, Assessments is a key resource for tracking student improvement.

### VIEWING & SETTING ASSESSMENTS

#### STEP ONE

Use the filter menus to view the assessments available by type and age group. **Numeracy and literacy tests are available.**

#### STEP TWO

Select the class to which you wish to assign an assessment.

Assessments	Number of Students	Results
Naplan Style Numeracy Practice Test 1 A (easy - 45 mins)	Scheduled: 1 Completed: 0	Avg Score: 0% High Score: 0% Low Score: 0%
Naplan Style Numeracy Practice Test 1 B (medium - 45 mins)	Scheduled: 0 Completed: 0	Avg Score: 89% High Score: 89% Low Score: 89%
Naplan Style Numeracy Practice Test 1 C (hard - 45 mins)	Scheduled: 0 Completed: 0	Avg Score: 11% High Score: 11% Low Score: 11%
Naplan Style Numeracy Practice Test 2 A (easy - 45 mins)	Scheduled: 0 Completed: 0	Avg Score: 14% High Score: 14% Low Score: 14%
Naplan Style Numeracy Practice Test 2 B (medium - 45 mins)	Scheduled: 0 Completed: 0	Avg Score: 17% High Score: 17% Low Score: 17%
Naplan Style Numeracy Practice Test 2 B (medium - 50 mins)	Scheduled: 0 Completed: 0	Avg Score: 62%

#### STEP THREE

Click the **Schedule Assessment** icon. The test can be set for students at a date and time of your choosing – as well as the amount of time students will have to complete it.

#### STEP FOUR

Once students have completed the test, a **Results Available** alert will appear in the table. Click the **View Results** icon to explore the data.

CONTINUED...



You can choose to **preview** each assessment, as well as any accompanying PDF resources.



Unlike the Mathematics curriculum activities, assessments are multiple-choice and all students receive the same set of questions.



Students can opt to leave an assessment at any time. Their time allowance to complete the test will be frozen until they return.



## ASSESSMENTS

The **Assessments** tool can assign standard benchmarking tests to your students. Once students have completed the tests, Assessments will provide useful diagnostic and analytic information. Used at regular intervals, Assessments is a key resource for tracking student improvement.

### VIEWING CLASS RESULTS

#### STEP ONE

An overview of your class results for this assessment are shown here.

#### STEP TWO

If required, results can be exported to Excel for your own school records.

The screenshot shows the 'ASSESSMENTS' interface for 'Year 7' with 53 students. The main content area displays 'Naplan Style Numeracy Practice Test 1 B (medium - 45 mins)' and a 'Choose a Scheduled Challenge' dropdown set to 'Tuesday, June 11, 2013'. A table lists student results, and a 'Class Report by Standard' button is visible. Arrows from the text boxes point to the table and the report button.

Student Name	Correct Answers	Attempted Questions	Percent Correct
Mariam A	0	-	0%
Wilma A	0	-	0%
Kim A	0	-	0%
Adelle A	0	-	0%
Doreen A	0	-	0%
Lashunda B	0	-	0%
Taren B	0	-	0%
Jade B	31	34	89%
Jeff B	0	-	0%
Ivelisse B	0	-	0%
Vern C	0	-	0%
Tosha C	0	-	0%
Rhona C	0	-	0%

#### STEP THREE

Click on any individual student's name to view a full breakdown of their answers over the course of the test. Clicking on any individual question number will display more information.



You can also choose to **print** the assessment for reference or for students to complete the test offline. Note – tests must be completed online for diagnostic analysis to occur.



**Assessment** enables you to easily identify areas of difficulty and give your students effective feedback.





## eBOOKS

The library of Mathematics **eBooks** is a huge additional teaching and learning resource to the online curriculum area. Building to several thousand printable pages, each year/grade level has several eBooks available to download.

### ACCESSING AND USING eBooks

#### STEP ONE

Select the year/grade level you wish to view.

#### STEP TWO

All available **eBooks** are displayed here. Click any eBook to view its contents. Hovering over will display the option to access the full Student or Teacher edition.

Isaac Newton  
St Phillip's School

Class: Eagles Class Group: Advanced Group

Reception Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Year 7 Year 8 Year 9 Year 10 Year 11 Year 12

**Addition and Subtraction**

Student Book	Teacher Book
Mental strategies	Answers
Applying strategies	Assessment
Written methods	Objectives

#### STEP THREE

You can choose to download just the individual chapters/pages you need for your lesson here.



Each **eBook** targets a specific strand of mathematics - from introduction to more advanced applications.



The extensive library of **eBooks** have been produced by the team of educational publishers at Mathletics. They build into a strong and important offline component of the overall Mathletics platform.



Students at Secondary/High School level have direct access to **eBooks** via their Student Console.



## LESSONS

In **Lessons** you can create rich multimedia lesson plans. You can even share the lessons with colleagues. These lessons are perfect for **one-to-one teaching** or **Interactive Whiteboard use** in a classroom.

## CREATE YOUR LESSON

### STEP ONE

Use the search fields here to explore all related content within Mathematics – “fractions” for example.

The screenshot shows the 'Lessons' interface for Mr Isaac Newton at Oxford School for Boys. The 'Find Content' section is active, displaying search results for 'All of Mathematics'. The results are categorized into five columns: Select a topic, Activities, eBooks, Interactives, and Videos. The 'Activities' column is highlighted, showing items like 'Simplifying Fractions', 'Equivalent Fractions', and 'Ordering Fractions'. The 'Interactives' column shows items like 'Circle Fractions', 'Random Squares', and 'Visualise Improper Fract...'. The 'Videos' column shows items like 'Visualise Improper Fract...', 'Visualise Mixed Numerals', and 'Overlap Multiplication'. At the bottom, there is a 'Lesson Timeline' area with buttons for 'New', 'Find', 'Save as', 'Save', and 'Play'. A 'Find Content' button is also visible. A search bar at the top right contains the text 'Find a topic'.

### STEP TWO

Drag your selected items into the **Lesson Timeline**. Simply drag and drop to rearrange the order of your lesson, or click the individual components to delete.

### STEP THREE

Once you've created a Lesson, click the **play** and the lesson will open in a new browser tab.



**FILTER** your search using the topic menu to the left of the screen.



**SAVE** your lesson. We recommend using a name that will allow for easy referencing at a later date. You can also assign a recommended year/grade if you wish for your own reference.



**PREVIEW** any item before using it by clicking the menu arrow on each item.



## LESSONS

In **Lessons** you can create rich multimedia lesson plans. You can even share the lessons with colleagues. These lessons are perfect for **one-to-one teaching** or **Interactive Whiteboard use** in a classroom.

### OPEN & SHARE LESSONS

#### STEP ONE

From the main Lessons screen, select **Find**. This will open the window below.

#### STEP TWO

From this screen you can find all saved lessons linked to your school's account. Simply click a lesson on the left to view it.

The screenshot shows the 'Find A Lesson' window for Mr Isaac Newton at Oxford School for Boys. The window has a blue header with the school name and 'Lessons Create, save and share lessons' on the left. Below the header, there are dropdown menus for 'Mathletics' and 'All', and a search bar with the text 'Find a lesson'. A list of lessons is displayed on the left, including 'Coordinates and Plotting Year 1', 'Graphing Straight Lines Year 9', 'Simple Interest Introduction Year 2', 'Compound Interest Introduction Year 3', 'Solving Simple Inequalities Year 4', 'Graphing Quadratic Introduction Year 10', 'Frequency Year 5', 'Integers Year 6', 'Decimal Introduction Year 8', 'Decimal Operations Year 8', and 'Proper and Improper Fractions'. A search bar with the text 'Search for lessons here' is located in the main area. At the bottom right, there is a 'Find A Lesson' button with icons for 'Open', 'Rename', 'Delete', 'Copy', and 'Close'. Arrows from the step descriptions point to the 'Find' button, the search bar, and the lesson list.

#### STEP THREE

Lessons appear in this list to preview. You can also open a **copy** of a colleague's Lesson to play – or edit. **NOTE: Any changes you make to a colleague's Lesson will be saved to your list as a duplicate copy.**



A number of **sample lessons** are also available. Simply select **Mathletics** from the drop-down menu at the top-right of the screen.



All lessons created within the school are available to all teachers, making it easy to share successful & effective lessons with your colleagues.



**For more information on any area of Mathletics, speak to your school's account manager – or get in touch via the CONTACT US tab on the Mathletics homepage.**