

Mathletics Teacher User Guide



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Getting Started

- 1 Visit www.mathletics.com.
- 2 Click **SIGN IN HERE** and enter your Mathletics **Username** and **Password**.

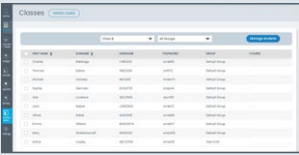
Single Sign On (SSO)

You can sign into Mathletics directly using your school's **Learning Management System**, via your **Google** or **Office 365** account, or via a number of other major platforms we have partnered with. For more information visit www.mathletics.com/sso.

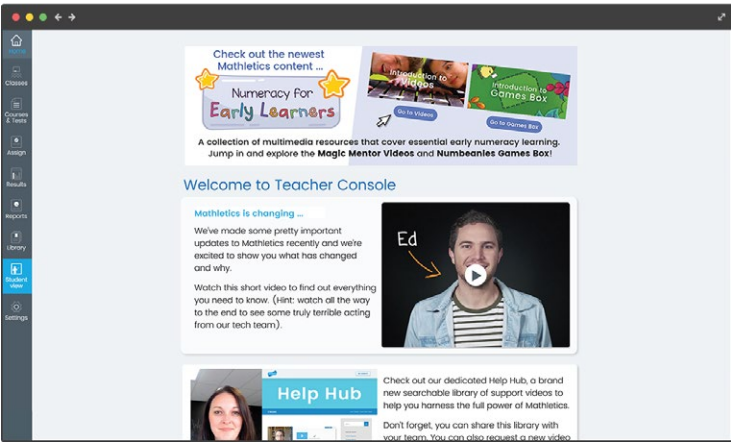
Teacher Console Map


CLASSES 

Differentiate your students, assign curriculum courses, and access student login details.





The simple left-hand navigation menu is designed to make teacher tools easily accessible.




REPORTING 

In-depth achievement, improvement, and usage data at a class and student level.




COURSES and TESTS 


View available curriculum courses, show/hide course topics and modify courses. Assign tests to assess individual students' understanding.

STUDENT VIEW 


Use the student console to attempt curriculum activities with your class, introduce concepts or play one of the engaging mathematical games with your students.


LIBRARY 

Access printable eBooks including problem solving and open ended rich learning tasks.

ASSIGN 

Preview and assign curriculum activities to students. View the latest student results and reassign activities.



RESULTS 

Students grouped by grade band based on the result of their latest attempt at each activity. View the 10 most recently attempted activities, results by student or results by topic and activity.

Classes






Class and group management
Edit, create or delete a group



Classes and Group Management allows teachers to create a clear path for differentiation.

Mathletics allows you to differentiate for your students by creating up to 12 groups within each class. Each of these groups can be assigned its own curriculum course.



Creating groups


- 1 Select **Class and Group Management**.
- 2 Click  to the right of the class name.
- 3 Enter the name of the new group. **NOTE:** The name of the group will not be displayed to your students.
- 4 Click  to confirm.
- 5 Click  to return to **Class and Group Management**.

Renaming a group

- 1 Click the group you wish to rename.
- 2 Select .
- 3 Enter the name of the new group.
- 4 Click  to confirm.

Changing the course assigned to a group


- 1 Click the group you wish to edit.
- 2 Select .
- 3 Select your country.
- 4 Select a grade level.
- 5 Select one of the courses listed.
- 6 Click  to confirm.

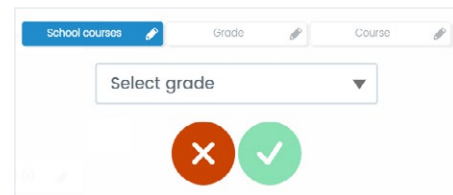
To change your selection click the  icon next to the option you wish to change to go back to that step.

Classes

Assigning a school course

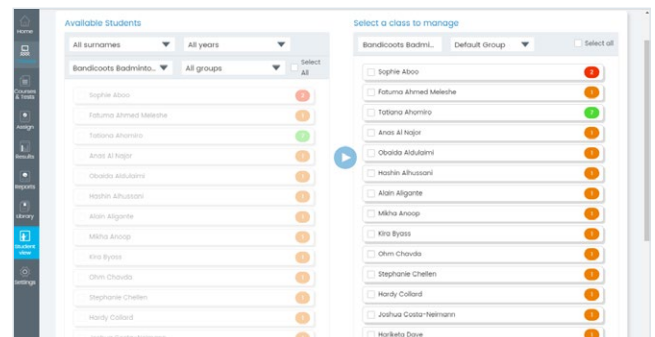
As well as assigning the Mathletics curriculum-aligned courses, you can assign courses that have been authored by teachers at your school, including those you have authored yourself following the procedure outlined on Page 10.

- 1 Click the group you wish to edit.
- 2 Select .
- 3 Click and choose **School courses** from the top of the menu.
- 4 Select a grade level.
- 5 Select one of the courses listed.
- 6 Click  to confirm.



Moving students into a group

- 1 Click the group you wish to move students into.
- 2 Select .
- 3 Follow the instructions in the **Student Management** section on Page 4.

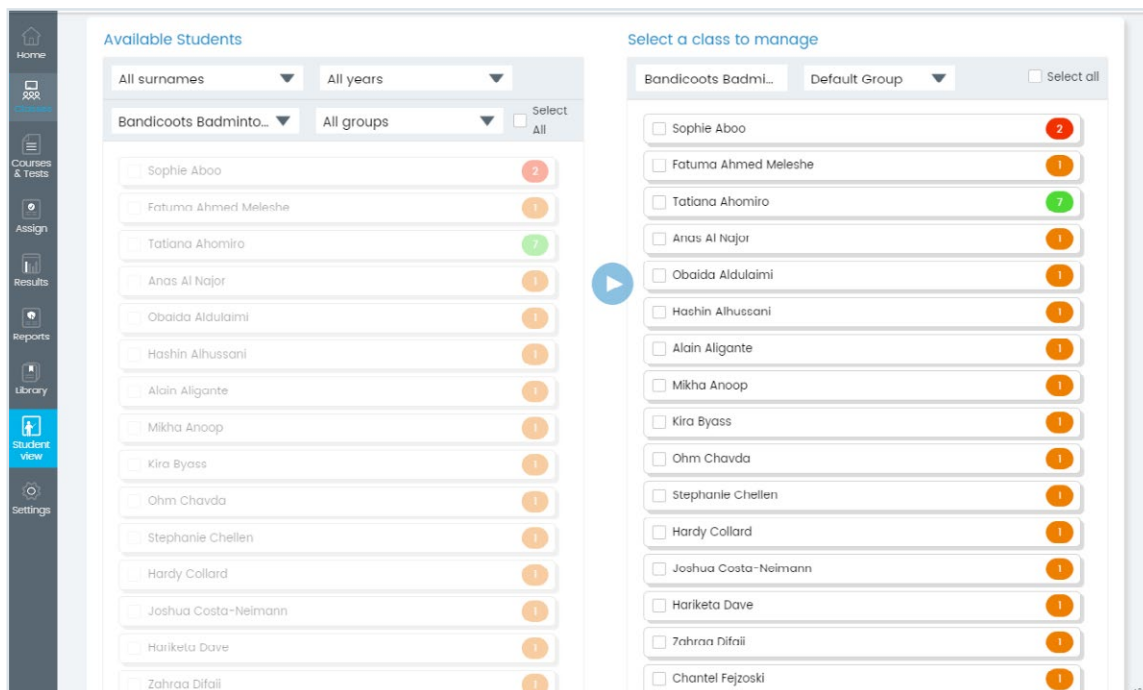


Classes

Student management

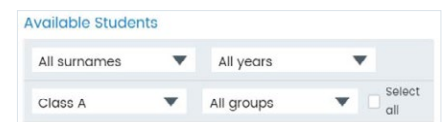
Move students between classes and groups

Student Management allows you to move students between groups within your class, and add students to your class from other classes within your school.




Moving students into a group

- 1 Select **Student Management**.
- 2 Select a **class** in the **Select a class to manage** section.
- 3 Select the **group** that you wish to move students into.
- 4 Select the same class as above in the **Available Students** section on the left-hand side.
- 5 By default you will now see a list of all of the students in the selected class. To narrow this list down, use the other filters in this section to choose students from a specific group, year level, or surname initial.
- 6 Select the students you wish to move by clicking the checkbox next to their name in the **Available Students** section. Alternatively, you can use the **Select all** checkbox when moving all of the students in this list across to the new Group.
- 7 Select the icon to move the students.



Classes


Moving students out of a group

- 1 In the [Available Students](#) section, select the **class** and **group** that the students are currently in.
- 2 In the [Select a class to manage](#) section choose the same **class** as above.
- 3 Select the **group** you wish to move the students to.
- 4 In the [Available Students](#) section select the students you wish to move.
- 5 Select the  icon to move the students.

Moving students into a group from another class

NOTE: When moving students between classes you will be presented with two options:

- **Move:** The student will be moved out of their original class and into the new class.
- **Copy:** The student will remain in their original class and will also be added to the new class. In the Student Console the student can then choose which class they wish to work in using the drop-down menu beneath their avatar.
This will allow two different teachers to assign different curriculum courses to that student.

- 1 In the [Select a class to manage](#) section choose the **class** and **group** that you wish to move the student to.
- 2 In the [Available Students](#) section select the **class** the desired student is currently assigned to.
- 3 Select the student you wish to move.
- 4 Select the  icon to move the students.
- 5 Select **Move** (recommended in most instances) or **Copy**.

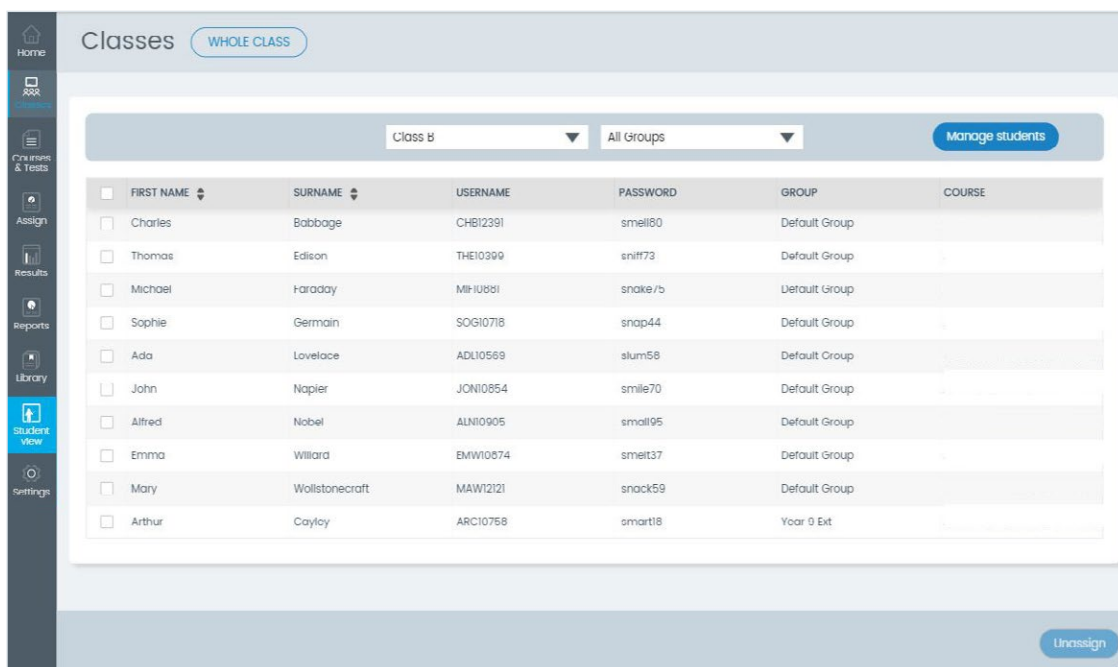
Classes

Whole class

View whole class details and unassign students



Whole Class gives you an overview of each student's group, course and login details.



The screenshot shows the 'Classes' page in the Mathletics interface. At the top, there's a 'WHOLE CLASS' tab. Below it, there are dropdown menus for 'Class B' and 'All Groups', and a 'Manage students' button. The main area contains a table with the following data:


<input type="checkbox"/>	FIRST NAME	SURNAME	USERNAME	PASSWORD	GROUP	COURSE
<input type="checkbox"/>	Charles	Babbage	CHB12391	smell80	Default Group	
<input type="checkbox"/>	Thomas	Edison	THE10990	sniff73	Default Group	
<input type="checkbox"/>	Michael	Faraday	MIF10891	snake/b	Default Group	
<input type="checkbox"/>	Sophie	Germain	SOG10718	snop44	Default Group	
<input type="checkbox"/>	Ada	Lovelace	ADL10569	slum58	Default Group	
<input type="checkbox"/>	John	Napier	JON10854	smile70	Default Group	
<input type="checkbox"/>	Alfred	Nobel	ALN10905	small95	Default Group	
<input type="checkbox"/>	Emma	Willard	EMW10574	smelt37	Default Group	
<input type="checkbox"/>	Mary	Wollstonecraft	MAW12121	snack59	Default Group	
<input type="checkbox"/>	Arthur	Cayley	ARC10758	smart18	Year 9 Exit	

An 'Unassign' button is located at the bottom right of the interface.

To change a student's password

- 1 Select **Whole Class**.
- 2 Double click the password.
- 3 Enter a new password.
- 4 Press the Enter key on your keyboard.

To unassign a student from your class

- 1 Click the checkbox next to the student's name.
- 2 Click **Unassign** in the bottom right-hand corner.
- 3 Click  to confirm.

NOTE: Unassigning a student will completely remove that student from your class. If they are not assigned to any other class their access to Mathletics will be restricted.

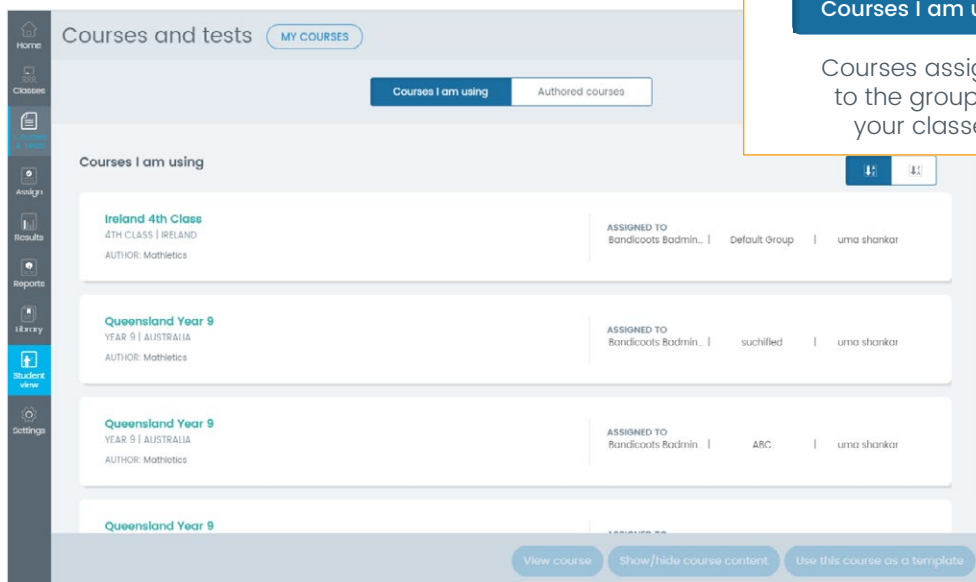
Courses and Tests

My courses

View courses you are using and modify courses you own



Every Mathletics course consists of a number of curriculum-aligned topics. Each of these topics contains a series of assignable activities covering the various concepts within that topic.




Courses I am using

Courses assigned to the groups in your classes

Authored courses

Courses you have created from templates

Focusing your students on selected topics

- 1 Select **My Courses**.
- 2 Select the **Courses I am using** tab.
- 3 Select a course from the list noting which group the course is assigned to.
- 4 Click **Show/hide course content**.
- 5 Select a topic on the left to view the activities for that topic on the right.
- 6 Click  next to each topic to choose which topics are visible to the students in the group this course is assigned to.
- 7 Click **Save**.

Something easier Something Easier section contains prerequisite activities for each topic.



Preview Activity - opens the activity for you to check for suitability and even work through example questions with your class.




View Activity Teacher Guide - opens a PDF document showing the content of the activity. For adaptive activities, an example of a question from each level is shown.

Courses and Tests

**View/copy
courses**

View and copy a course
to use as a template



Browse the Mathletics Library to find the most appropriate course for your needs.

View Mathletics courses

Browse the Mathletics Library to find the most appropriate course for your needs.

- 1 Select **View/copy courses**.
- 2 Select the **Mathletics courses** tab.
- 3 Select the country and grade for the courses you wish to view.
- 4 Click **View course** to view the course content.





Authoring a course from a template

- 1 Use the procedure above to find an appropriate course to use as your starting point.
- 2 Click **Use this course as a template**.
- 3 Name your new course.
- 4 Select the years for the course to indicate the intended year level.

NOTE: This course will be available to all other teachers at your school. A clear naming strategy will help other teachers understand the nature of your course, e.g. "Year 5 Extension".

Editing your course

Change the order in which topics and activities are displayed, delete content from your course, and add topics and activities from other curriculums.


- 1 You can:
 - Reorder topics and activities 
 - Delete whole topics or activities 
 - Edit topic names 
 - Add topics and activities from other courses
- 2 Click **Add topic/activity** to browse a list of available courses to add content from.
- 3 Use the filters to narrow down your selection.
- 4 Select a course.
- 5 A list of topics from this course will now be displayed in the left column. Drag a topic across to the middle column using the .
- 6 Alternatively, click the ▼ next to a topic to reveal the activities within that topic.
- 7 Drag an activity across to the appropriate topic in the middle.
- 8 Click **Save**.

Courses and Tests

For instructions on assigning your authored course to a group see '[Assigning a School Course](#)' on Page 3.

Modifying your courses

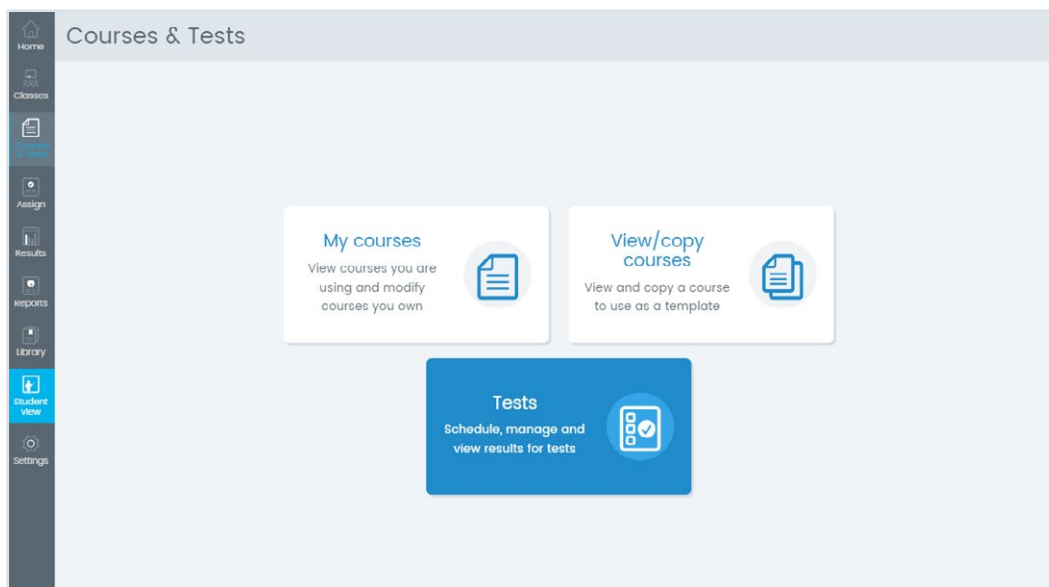
Follow these steps to modify a previously saved course.

- 1 Select **Courses and Tests** from the left-hand navigation menu.
- 2 Select **My Courses**.
- 3 Select the **Authored courses**.
- 4 Select the course you wish to modify.
- 5 Click **Modify course**.
- 6 Click  next to each topic to choose which topics are visible to the students in the group this course is assigned to.
- 7 Click **Save** once you have finished modifying your course.

Courses and Tests

Tests
Schedule, manage and view results for tests

Mathletics offers a range of tests designed to assess individual student's understanding. In most instances there are two versions of each test. This allows you to use the tests for pre and post testing without the risk of rote learning.



Scheduling a test

- 1 In the **Schedule** area use the search functionality or filters to find your required assessment.
- 2 You can preview the assessment before assigning it.
- 3 When you're ready to assign the assessment, click **Schedule**.
- 4 Select the appropriate class in the top right.
- 5 Select the students you wish to assign the test to.
- 6 Choose a start date, due date, and the duration of the test.
- 7 Click **Schedule**.

The next time your students log in to Mathletics within your specified timeframe, they will automatically be directed to complete the assessment.

Courses and Tests

Managing a test

- 1 Select the **Manage** tab to view a list of your active tests.
- 2 Click **End** to cancel an assigned test.
- 3 Click **Edit** to change the date range, duration, or which students are assigned to the test.
- 4 Click **Update** to confirm changes.

The screenshot shows a 'Manage' test interface. On the left, there is a list of students under 'Class C' and a 'Default Group' section. On the right, there are configuration options for 'Start date and time', 'End date and time', and 'Duration'. The 'Duration' is set to 90 mins. There are 'Cancel' and 'Update' buttons at the bottom right.

Reviewing class/group results

- 1 Click **Results** at the top of the page to view a summary of all tests that have been completed by your students, including a class average for each test.
- 2 Use the drop-down menu in the top right to select which classes' results you wish to view.
- 3 Click **View Results** next to a test to view individual student results.
- 4 Click the **Results by Question** tab to display the percentage of students who answered each question correctly, along with the curriculum outcome for each question, and some suggested Mathletics activities to target in these areas.

The screenshot shows a 'Results by Student' table. The table has columns for 'Student', 'Correct Answers', and 'Related Activities'. The 'Mark' is 63% and 'Completed' is 27 Feb 2017. The table lists several students with their respective marks and the number of related activities suggested.

Student	Correct Answers	Related Activities
Average	63%	Expand All...
Charles Babbage	-	0 related activities
Arthur Cayley	80%	25 related activities
Thomas Edison	63%	30 related activities
Michael Faraday	38%	20 related activities
Sophie Germain	75%	10 related activities
Ada Lovelace	60%	30 related activities

Reviewing individual student results

- 1 Follow steps 1-3 above.
- 2 Click on a student's name to view their results, and the answers they gave for each question.
- 3 Select the **Results by Question** tab to view the result and curriculum outcome for each question. Click the curriculum outcome to view a description.
- 4 The **Related Activities** column will suggest available targeted activities for each question.
- 5 To assign these activities, click the icon and click **Assign** next to the name of the suggested activity. Your student will be prompted to complete this activity the next time they sign in to Mathletics.

The screenshot shows a 'Results by Question' table. The table has columns for 'Results' and 'Related Activities'. The 'Results' column shows a green checkmark. The 'Related Activities' column shows '3 related activities' and 'Index Form to Numbers' with an 'Assign' button.

Results	Related Activities
✓	3 related activities
	Index Form to Numbers Assign



Export Test results - generate a summary of the results as an Excel document.



Print Test Results

Assign

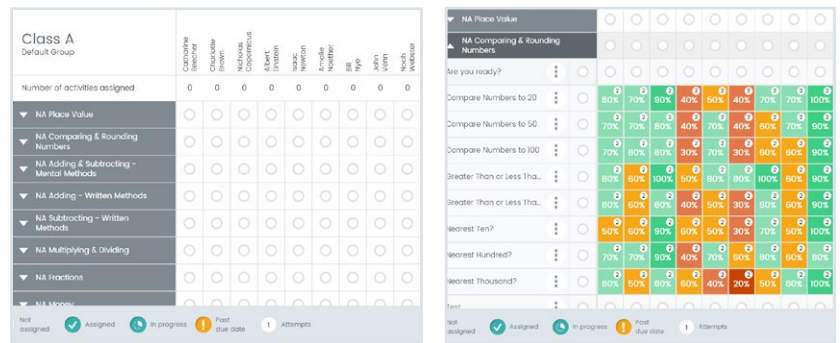
What is an activity? Each Mathletics activity consists of 10 questions targeting a single concept from within a topic. The questions are selected from a bank of thousands of questions, meaning your students will never be presented with the same 10 questions twice! Many of the activities are also adaptive, increasing in difficulty as the students answer more questions correctly, while getting easier when the students are struggling.

Assigning activities

- Select the class and group you wish to assign an activity to.

Having selected a group, the course assigned to that group will be displayed beneath the Group tabs.

The students assigned to the selected group will be displayed across the top of the grid, and the course topics will be listed on the left.
- Click on the topic from which you wish to assign work.
- The topic will now expand to reveal a list of activities covering the various concepts within that topic.
- To preview an activity prior to assigning it, click the menu icon and select **Preview Activity**. The activity will now open in a new window for you to assess its suitability.
- Once you have finished previewing the activity, close the window to return to **Assign**.
- Choose which students will be assigned the activity by either selecting individual students, or clicking the button next to the activity name to select all students within your Group.
- Click **Assign/reassign**.
- Choose a start date and due date for the activity.
Your students will not be prompted to complete the activity until the start date has arrived.
- Click to confirm.



Disabling assigned activities

When an activity start date is reached a student must complete this activity before being able to access any other area of Mathletics. If you wish for your students to be able to access the other areas of Mathletics you can temporarily disable all activity assignments for the selected group by setting **Restrict students to assigned activities** to **No**.



NOTE: Remember to re-enable this function when you are done to ensure students are prompted to complete any activities you have assigned them.

Assign

Assign status icons



Not assigned



Activity assigned with a future start date. Students will not currently be prompted to complete this activity.




Activity assigned with a current start date. Students will be prompted to complete this activity when they sign in.



Past due date. Activity was not completed by the specified due date and will remain assigned to the student until you choose to unassign the activity.



Activity selected but not yet assigned. Click  to assign activity.

Editing activity assign dates

1 Select the assigned activities.

2 To change the start date or due date select .

3 Choose a new start date or due date.

NOTE: If the activity is already in progress you will only be able to edit the due date.

4 Click  to confirm.

Unassigning activities

1 Select the assigned activities.

2 Click .

3 Click  to confirm.

When you unassign an activity that was not completed by the due date it will record a result of **N/A** against that student, indicating the activity was **Not Attempted**.

This allows you to unassign these activities from your students, preventing a backlog of incomplete assignments, while making a note of which activities were not completed. This makes it easy to identify and reassign these activities at a later stage.

Assign

Results in assign

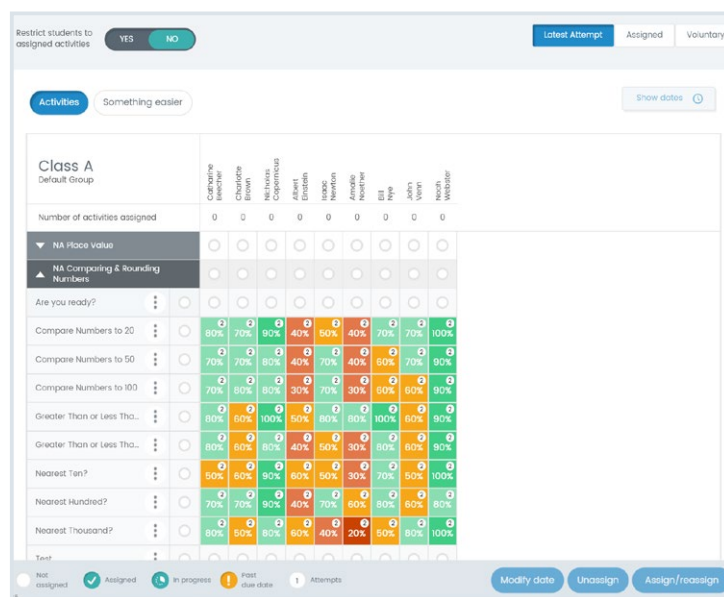
The Assign section displays the result of each student's latest attempt at the activities within the selected topic. There are three results views to choose from.

Latest Attempt - the students' most recent results of any kind. This will display results from both activities you have assigned, and activities completed voluntarily by the students.

Assign - only the results from activities you have assigned your students.

Voluntary - only the results from activities the students have completed voluntarily.

The results tiles in Assign feature a traffic light system to allow you to quickly identify areas of strength and weakness across your group within a topic. The number in the top right corner of each results tile indicates the number of attempts the student has made at that activity, allowing you to assess the value of reassigning the activity.



Reassigning activities

There are two way in which to reassign work in the Assign section of Mathletics.

Manually reassigning work

- 1 Select the students you wish to reassign an activity by either clicking the tile showing the result of the previous attempt for individual students, or clicking the button next to the activity name to select all students within your group.
- 2 Click .
- 3 Choose a start date and due date for the activity. Your students will not be prompted to complete the activity until the start date has arrived.
- 4 Click to confirm.

Reassigning by grade band

- 1 Click the menu icon next to the name of the activity you wish to reassign.
- 2 Select **Reassign activity** to students with score.
- 3 Select one or more grade bands to reassign the activity to any students whose previous score fell within the selected grade bands.
- 4 Choose a start date and due date for the reassigned activity.
- 5 Click to confirm.

Something Easier

Click to access activities covering the prerequisite concepts for the selected topic. These activities can be assigned in the same way as the main topic activities.

Are You Ready? is the first activity of every topic. Assign this activity to test your students on their prerequisite knowledge of the selected topic. **Are You Ready?** selects questions from the various activities in the Something Easier section.

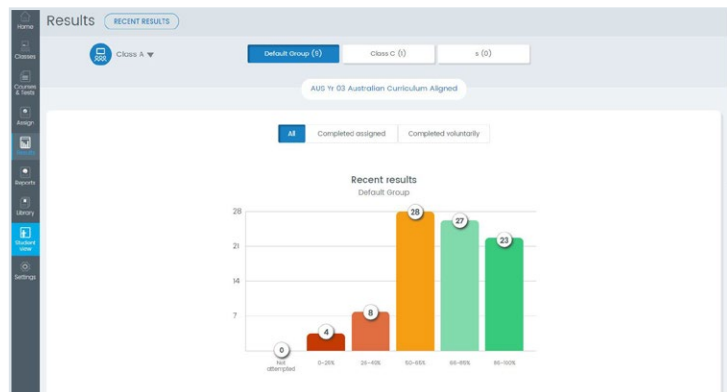
The **Test** activity found at the end of every topic will present your students with two questions from each of the activities in the topic.

Results

The Results section of Mathletics displays student activity results in three different ways, allowing you to view the data that is most meaningful for you.

Recent Results displays the results of the ten activities most recently completed by the selected group.

You can view all activity results, or use the filter to display only the results of activities you have assigned or only results of activities that students have completed voluntarily.



Based on the result of their most recent attempt, students are grouped into one of 5 grade bands for each of the activities, essentially dividing them into concept-specific ability groups for targeted intervention. For example, you may decide to simply reassign an activity to all students in one grade band, while gathering the students from a lower grade band and presenting the concept using a different classroom strategy.

The first results column indicates how many students did not complete an assigned activity, and subsequently had the activity unassigned and marked as **Not Attempted** in the **Assign** section. For more details on this see **Page 13**.

10 most recent activities (all)

	Not attempted	0-20%	20-40%	40-60%	60-80%	80-100%
Additive Addition	0	0	1	5	2	1
Simple Subtraction	0	0	1	1	3	4
Magic Mental Addition	0	1	0	2	3	3
Magic Mental Subtraction	0	2	0	1	5	1
Commutative Property of Addition	0	0	1	5	2	1
Add 3 Numbers: Bonds to Multiples of 10	0	0	1	3	2	3
Add 3 Numbers: Bonds to 100	0	0	1	1	3	4
Repartition to Subtract	0	0	2	4	1	2
Jump Add and Subtract	0	1	1	3	2	2

Viewing Results

- 1 Select the class and group you wish to view results for.
- 2 Click one of the grade bands for an activity to view the students in that grade band. Each student's individual grade, and how many attempts they have made, will be displayed.
- 3 You can reassign the activity by selecting students and clicking **Reassign**.

- 4 Follow the prompts to choose a start and due date (optional).

<p>Start date</p> <p>10 May 2017 4:41 PM</p>	<p>Due date (optional)</p> <p>17 May 2017 4:41 PM</p>
--	---

- 5 Select a different grade band at the top of the page to view the students in that grade band.

Results



Results by student groups completed activities by grade band based on the result of the student's latest attempt. This allows you to form individual learning pathways based on each student's strengths and weaknesses.

This is the best place to view which activities have been marked as not attempted for each student, allowing you to quickly reassign these activities at a later stage. Click on the number in the Not Attempted column next to each student to view their unattempted activities.

HINT: Use the search field to quickly look for the results of an individual student.

Results by student

Search student

All Completed assigned Completed voluntarily

	Not attempted	0-25%	26-49%	50-65%	66-85%	86-100%
Catharine Beecher	0	0	1	12	23	4
Charlotte Brown	0	0	2	18	18	2
Nicholas Copernicus	0	0	0	1	12	27
Albert Einstein	0	4	18	16	2	0



Results by activity allows you to identify student progress at a topic and activity level based on the results of their most recent attempts. When you first enter this section, the topics will all be contracted. Numbers in each grade band will indicate how many activity results fall into that band across the topic.

Click a topic name to reveal the results for each activity. As with **Recent Results** students will be grouped into one of 5 grade bands based on their most recent attempt.

The Not Attempted column will indicate which students failed to complete each activity when previously assigned.

Results by activity

Completed activities

Search activity

All Completed assigned Completed voluntarily

	Not attempted	0-25%	26-49%	50-65%	66-85%	86-100%
▼ NA Place Value	0	4	15	34	36	28
▼ NA Comparing & Rounding Numbers	0	1	11	20	28	12
▼ NA Adding & Subtracting - Mental Methods	0	8	18	41	63	41

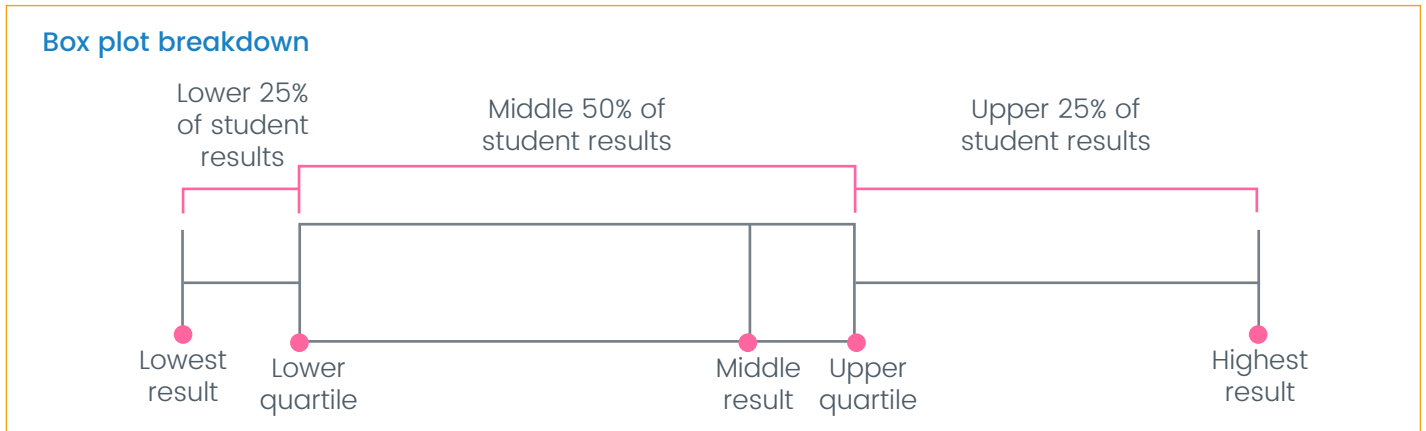
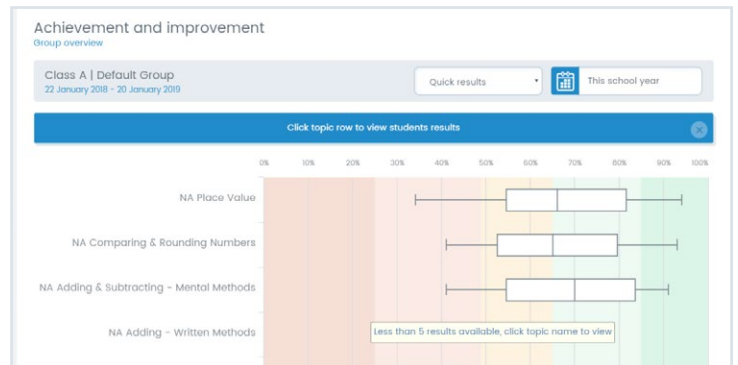
Reporting

Achievement and improvement

Track the progress of your students

The Achievement and Improvement Report uses box plots to give you a graphical representation of each group's progress across the topics that make up their assigned course. This allows you to quickly see which topics have been covered, which need more work than others, and an indication of student ability grouping for each topic.

- 1 Select the class and group for which you wish to view the results.
- 2 Filter date range using the drop-down menu next to the icon.
- 3 The box plots will represent each student's average score across all activities in that topic. A box plot requires at least 5 data points and so will only be displayed when 5 or more students have attempted activities from that topic.
- 4 Hover over each box plot to view the highest result, lowest result, median and the upper and lower quartiles. These values divide the group into four equal-sized sections.



- 5 Click a box plot and scroll down to view your students' average results for that topic.
- 6 To see details of activity results, click on individual students or select all students, then select [See results](#).

Student results are arranged in order of achievement.



Reporting

For each student selected, you will see a breakdown of their activity results, displaying the percentage improvement between their first and latest attempts. You can also filter the improvement column by highest vs latest or first vs highest attempts.

Results for NA Comparing & Rounding Numbers Improvement (First vs Latest)  [Expand all](#)

Charlotte Brown	Improvement (first vs Latest) 	First	Highest	Latest
NA Comparing & Rounding Numbers		63% Avg	71% Avg	65% Avg
Compare Numbers to 20	↓ 10%	80%	80%	70%
Compare Numbers to 50	↑ 20%	50%	70%	70%
Compare Numbers to 100	↓ 10%	90%	90%	80%
Greater Than or Less Than?	↓ 10%	70%	70%	60%
Greater Than or Less Than 1	=	60%	60%	60%
Nearest Ten?	↑ 10%	50%	60%	60%
Nearest Hundred?	↑ 40%	30%	70%	70%
Nearest Thousand?	↓ 20%	70%	70%	50%

N/A = One attempt. Improvement can only be calculated with two or more attempts.

[▲ Back to top](#)

To export student data to a spreadsheet click


[Export as CSV](#)

To review the reporting for another topic, scroll to the top of the page and select another box plot.

Reporting

Certificates

Download and print certificates



Download and print certificates

- 1** Select **Certificates**.
- 2** Select your class and group, or all groups.
- 3** Select the date range for which you wish to view and download certificates. You can select this week, last week, this school year or a custom date range.
- 4** Click **download certificates** to download all certificates as a PDF file, which can be printed and/or saved to your computer.
- 5** Click on the Gold, Silver or Bronze icon to download individual categories of certificates as PDFs.

Earning points

- **Curriculum activities** 1 correct answer = 10 points
- **Are you Ready?** 1 correct answer = 20 points
- **Topic Tests** 1 correct answer = 20 points
- **Live Mathletics**
 - 1 correct answer = 1 point
 - Bonus Level - 1 correct answer = 2 points

Each week, students can earn a maximum of 300 points on any one activity and 600 points on any one test.

Earning certificates

- 1000 points earned in a week = **1 Bronze certificate**
- 5 Bronze certificates = **1 Silver certificate**
- 4 Silver certificates = **1 Gold certificate**

Students cannot earn more than one of the same type of certificate in the same week.

- Example: Student earned 2100 points in one week, student earned 1 Bronze certificate.

However, different types of certificates can be awarded in the same week.

- Example: Student earned their 20th Bronze Certificate this week. This also gave them their 4th Silver Certificate, which, in turn, earned them a Gold Certificate.

Earning credits

Credits are a system for rewarding hard work and achievement in Mathletics. Earning credits is harder than earning standard activity and Live Mathletics points. Students can spend their credits on accessories to add to their avatar.

- **Curriculum activities**
 - 10 correct questions answered = 10 credits
 - Earning a high score (>60%) = 10 credits

• Certificates

- 1 Bronze Certificate = 100 credits
- 1 Silver Certificate = 150 credits
- 1 Gold Certificate = 250 credits

• Live Mathletics

- Achieving a new **High Score** = 10 credits
- Earning **1st Place** = 5 credits

• Assessments

- Result 20-85% = 20 credits
- Result >85% = 40 credits

Reporting

Effort and participation
View students' points and certificates

The Effort and Participation Report gives you an overview of the points and certificates each student has earned in the chosen date range, as well as their time online.

Students	Live Maths points	Activity points	Total points	Gold	Silver	Bronze	Time online
Catharine Beecher	0	5 230	5 230	0	0	1	0h 0m
Charlotte Brown	0	4 830	4 830	0	0	1	0h 0m
Nicholas Copernicus	46	6 710	6 756	0	0	1	0h 46m

- 1 Select **Effort and Participation**.
- 2 Select the class you wish to view using the drop-down menu.
- 3 Select a specific group at the top of the page, or chose to view all groups together.
- 4 Click **This school year** to view results for this week, last week or a custom date range. The default date range displays results for the current school year.
- 5 A summary of the certificates, Live Mathletics points and activity points earned by the group during this period will be displayed at the top of the page. Individual student achievement will be displayed in the table below.
- 6 Click on the title of one of the points categories at the top of the table to sort the results by that column.
- 7 Click the **1** certificate indicator icons next to each student to download any certificates they have earned individually, or select **10** or **Download all certificates** at the top to download all certificates earned by the group in the selected date range.
- 8 Select **Export as CSV** to download a spreadsheet of your student data.

Reporting

Activity and
usage report
Download Mathletics
data



When you select the Activity and Usage Report tile you will automatically download an Excel report containing all of the raw usage data for your classes from the start of the current school year up until the end of last week. This data can be formatted as required for use with your school's reporting system.

The Activity and usage report is separated out into the following tabs:

- **Summary:** A snapshot of your classes' Mathletics usage, including metrics on points and certificates earned, scores achieved, improvement, when your students are using Mathletics, and the ratio of assigned to voluntary activities completed.

NOTE: You can change the start and finish time of your school day for a more accurate reflection of usage during school hours vs usage out of school hours.

- **All Classes Achievement:** A count of the completed activities with a breakdown by grade band for each of the groups across your classes
- **All Classes Participation:** A breakdown of the activity and Live Mathletics points, and certificates earned by each group, along with time spent signed in and number of sign ins.
- **All Student Achievement:** A summary of the number of activities completed by each student along with a breakdown of activities by grade band.
- **All Student Participation:** A breakdown of the activity and Live Mathletics points, and certificates earned by each student, along with time spent signed in and number of sign ins.
- **All Student Activities:** A breakdown of every activity attempted by each student, including date of completion, attempt number, which topic the activity is from, and what score was achieved.
- **All Student Improvement:** A breakdown of every activity attempted by each student, including date of most recent attempt, first score, most recent score, and improvement.
- **All Classes Live Mathletics:** A summary of the Live Mathletics achievement by Live Mathletics level for each group, displaying total number of correct answers, top score, and % accuracy.
- **All Students Live Mathletics:** A summary of the Live Mathletics achievement by Live Mathletics level for each student, displaying total number of correct answers, top score, and % accuracy.
- **Printable Version:** A report summary laid out in a printer-friendly format.

Reporting

Student Reports

View activity mastery, participation and Live Mathletics reports



The Student Reports section allows you to quickly drill down to the individual student information most relevant to you.

The default view is a summary of the activity mastery of every class to which you are assigned. Next to each class will be a bar chart representing the breakdown of completed activities by grade band. This gives you a quick visual overview of class progress.

Activity mastery by class or group

- 1 Use the drop-down menus at the top of the page and select the class for which you wish to review a report.
- 2 Select an individual group, or select **All Groups** (default) to view a whole class report.
- 3 Select **All Students** (default).
- 4 Select **Activity Mastery** (default).
- 5 Select the date range for the report.

This school year | This week | Last week | Custom dates | Lifetime

- 6 Click to view the report.
- 7 You will now see a summary of the relative strengths by topic and activity of the selected class or group. Click the **Weaknesses** tab to view the relative weaknesses.
- 8 Next to each student will be a bar chart representing the breakdown of completed activities by grade band.


Activity mastery by individual student

- 1 Follow steps 1-6 above and then click on the name of a student in the report summary, OR select an individual student in Step 3 of the above procedure to navigate directly to that student's report using the filters.
- 2 You will now see a summary of the selected student's relative strengths by topic and activity. Click the **Weaknesses** tab to view their relative weaknesses.
- 3 A bar chart will be displayed next to each topic, representing the breakdown of completed activities by grade band for that topic.
- 4 Select a topic to view results for the individual activities within that topic, including the number of attempts the student has made.
- 5 Alternatively, select the **Test results** tab to view a summary of the test results for each topic.
- 6 Click **Export** to save a PDF report of the student's progress across the topics in their assigned course.


Reporting

Teacher Tip: Changing report type


At any stage you can select a different report type to jump straight to that report for the class, group, or student you are currently viewing. For example, if you are looking at the Activity Mastery report for an individual student, you can simply change the report type to **Participation** to view the Participation Report for that same student.

- 1 Select the report type menu (this will currently be displaying the name of the report type you are on).
- 2 Choose the desired report type.
- 3 Click .


Participation by class or group

- 1 Select the class and group for which you wish to view a report.
- 2 Select **All Students**.
- 3 Select **Participation**.
- 4 Choose a timeframe for the report.
- 5 Click .
- 6 You will now see a summary of the time online, activity points, Live Mathletics points, and certificates earned by each student, along with a class summary of this information.

Participation by student

- 1 Follow steps 1-5 in the above procedure then click on the name of a student in the report summary, OR select an individual student during step 2 to navigate straight to that student's participation report.
- 2 You will now see a summary of the activity points, Live Mathletics points, and certificates earned by the selected student, as well as information on how many times they have signed in, and how long they spent signed in to Mathletics during the chosen timeframe.
- 3 Below this will be a list of course topics. The average first, highest, and latest score will be displayed for each topic. Select a topic to view the results for the individual activities within that topic, including the number of attempts and % improvement.
- 4 Click  to save this report as a PDF.

Live Mathletics

- 1 Select the class and group for which you wish to view a report. Leave the student filter set to **All Students**.
- 2 Select **Live Mathletics**.
- 3 Choose a timeframe for the report.
- 4 Click .
- 5 Select a Live Mathletics level at the top of the page to view a summary of each student's progress when competing at that Live Mathletics level.
- 6 Select an individual student to see a breakdown of their progress by Live Mathletics level.

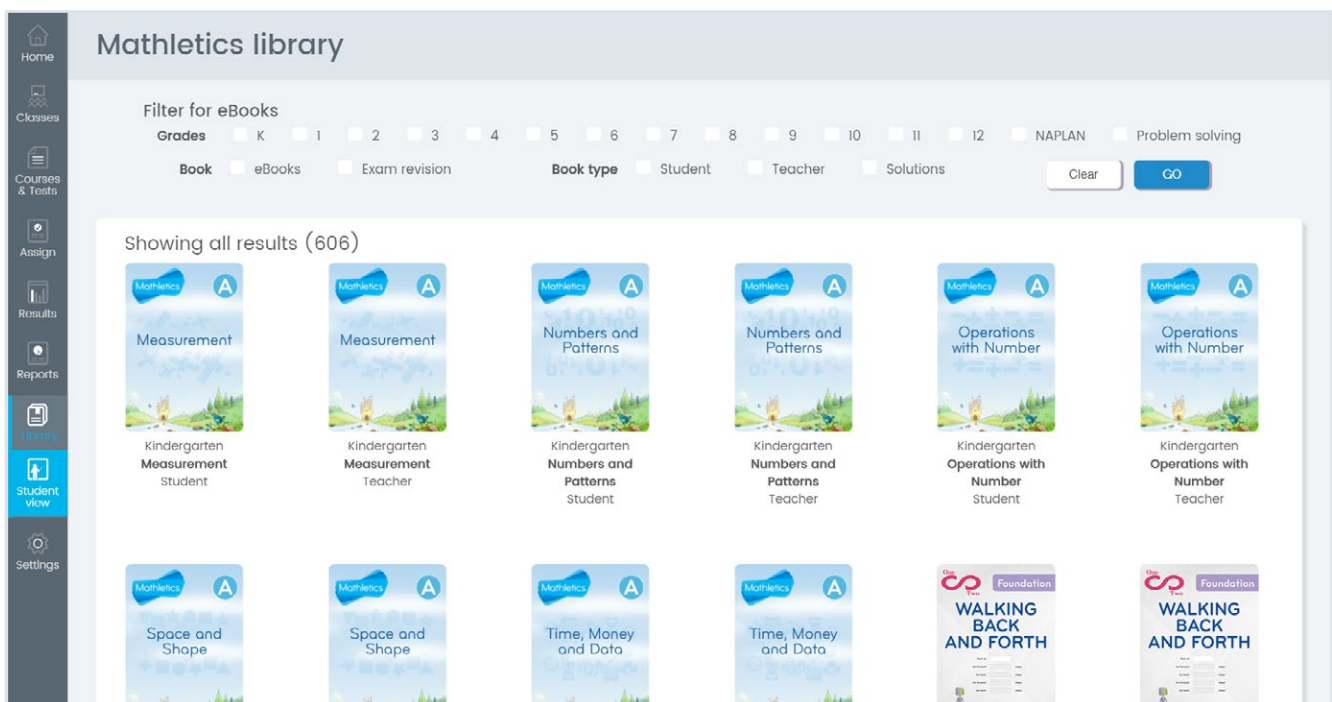
Mathletics Library

Mathletics Library
eBooks, exam revision and problem solving guides

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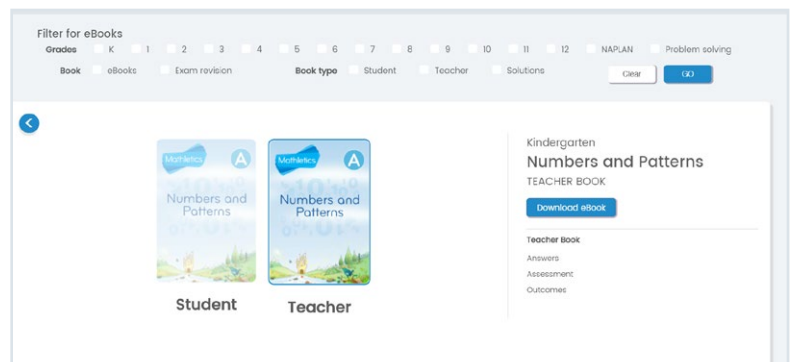
Mathletics printables support curriculum goals and contain detailed instructions, examples, student activities and solutions.

- Use the filters to sort the available eBooks by grade and book type. The list of grades reflect the grade system of your region.
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Mathletics Library



eBooks

The Mathletics eBooks are available for all levels, with each workbook targeting a specific topic. The student books contain questions, exercises and activities to provide instruction and reinforce mathematical concepts. The accompanying teacher and solutions books include answers and assessments. Where relevant, to supplement instruction, interactives and video content are embedded in the contents section of the relevant eBook.



Problem Solving eBooks

The problem solving eBooks are designed to guide learners in how to structure investigations and develop mathematical thinking. Problem solving eBooks include both a student and teacher solutions book to provide educators with multiple strategies. When selecting a strategy from the contents, you will be provided with instructional techniques and support along with guided and independent practice for students.



Rich Learning Tasks

Dr. Marian Small's Rich Learning Tasks are open-ended tasks where each question has multiple possible solutions to foster problem solving and reasoning skills. The student books contain the questions, while the accompanying solutions book contains the reasoning behind the tasks, lesson guides to facilitate and extend the learning and a rubric for assessing student responses. Videos and interactives, for use by the teacher on an interactive whiteboard, accompany most of these tasks.

Exam Revision eBooks

For grades 7 and higher, Exam Revision books give you access to the full student eBook, and a Solutions book comprising of an assessment and an answer sheet for that assessment.

Settings

Set minimum levels
Set Live Mathletics levels for your class or individuals



Mathletics is continuously developing, with features and functions being constantly added to improve your user experience and put more power in the hands of our teachers. At present the Settings section is used for setting the minimum level in Live Mathletics.

Setting minimum levels for Live Mathletics

By setting a minimum level for a student you are restricting them from using any easier levels when playing Live Mathletics. This ensures that they are answering questions at a level of difficulty you feel appropriate for each student.

Settings SET MINIMUM LEVELS

Class 8A ▾

Default Group (8) Extension Group (0) Support Group (0)

AUS Yr 08 Australian Curriculum Aligned

Set minimum levels for Live Mathletics

Class 8A Default Group	Level 1 & above	Level 2 & above	Level 3 & above	Level 4 & above	Level 5 & above	Level 6 & above	Level 7 & above	Level 8 & above	Level 9 & above	Level 10
Charles Babbage	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arthur Cayley	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thomas Edison	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sophie Germain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ada Lovelace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
John Napier	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alfred Nobel	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mary Wollstonecraft	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Save

Live Mathletics is judged on speed and accuracy rather than the difficulty of the questions being asked. As a result you can still have fair competition between your students even if they are competing using different levels in Live Mathletics.

- 1 Select a level appropriate to each student or use the radio button at the top of a level column to select that minimum level for all students.
- 2 Click .

Live Mathletics

Live Mathletics has ten levels across all gaming areas. Below is a summary of what question types are included at each level. Have you tried them all?

LEVEL 1 Addition from 1 - 10
Doubles up to 10

LEVEL 2 Addition from 1 - 20
Subtraction from 1 - 20

LEVEL 3 Addition from 1 - 50
Subtraction from 1 - 50
2s, 3s, 4s, 5s and 10s Times Tables
Doubles and halves up to 50
Addition from 1 - 20 with a missing addend

LEVEL 4 Addition from 1 - 100
Subtraction from 1 - 100
Times Tables to 10 x 10
Doubles and halves up to 100
2s, 3s, 4s, 5s and 10s division facts
Addition from 1 - 50 with a missing addend
Times Tables to 10 x 10 with a missing factor

LEVEL 5 Addition from 1 - 500
Subtraction from 1 - 100
Addition from 1 to 100 with a missing addend
All multiplication and division facts to 10 x 10
Time conversions
Length conversions

LEVEL 6 Operations with decimals
Calculations using brackets
Simple percentages
Converting mm, cm and m
24 hour time
Timetable calculations
Fractions and decimals
Percentages and decimals
Terms in a sequence with decimals I
Terms in a sequence with whole numbers

LEVEL 7 Sum, difference, product and quotient
Cubes
Operations with integers
Volume and capacity conversions
Order of operations I
The Cartesian plane I
Equivalent fractions
Ratios
Volume of rectangular prisms I
Area of plane shapes I

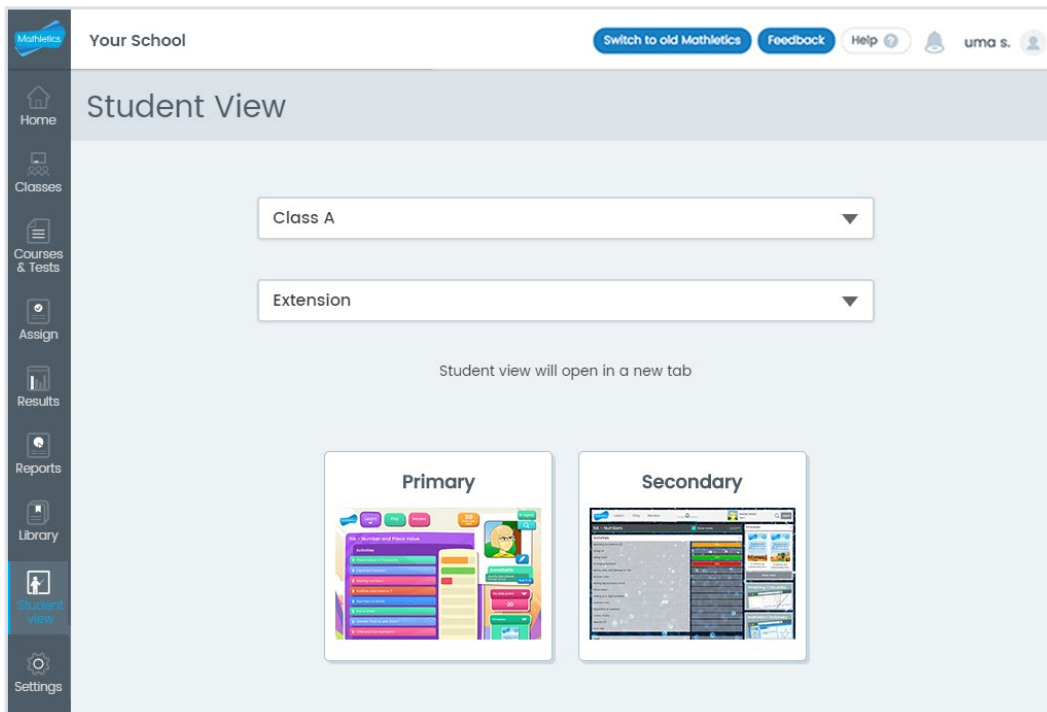
LEVEL 8 Statistical measures
Simplifying algebra I
Algebraic substitution I
Order of operations II
Terms in a sequence with decimals II
Area and volume conversions
Factoring I
Volume of rectangular prisms II
Area of plane shapes II
Recurring decimals


LEVEL 9 Algebraic substitution II
Factoring II
Order operation III
Expanding brackets I
Find the midpoint between two points
Pythagorean triads
The Cartesian Plane II
Chance outcomes
Simplifying algebra
Scientific notation

LEVEL 10 Logarithms
Solving equations
Algebraic substitution III
Expanding brackets I
Expanding quadratics
Factoring quadratics
Surface area of cubes
Percentage probability

Student View

The **Student View** menu allows you to access the student console specific to each of your groups. Exploring the student console will give you a sense of how Mathletics is delivered to your students, but you can also use Student View in class to introduce mathematical concepts using the Mathletics activities, conceptual videos, interactives, and the Math(s) A-Z concept dictionary, within an environment familiar to your students. It also allows you to access the engaging mathematics games that come as part of Mathletics, including Live Mathletics, Rainforest Maths and Multiverse.



- 1 Select the class and then the group with which you wish to enter the student console.
- 2 Select either the **Primary** or **Secondary** console as appropriate.
- 3 You will now be taken to the **Learn** area of the Mathletics student console. The topics that make up the course assigned to the selected group will be displayed in the middle of the page. Click a topic to view the activities within that topic, along with topic-aligned supporting resources on the right-hand side.
- 4 Click **Play** at the top to access Mathletics games, including Live Mathletics, Rainforest Maths and Multiverse.
- 5 The **Maths A-Z** concept dictionary can be accessed from both the **Learn** and **Play** sections of the student console by clicking .
- 6 When using Student View, the student console opens in a new tab on your web browser. To go back to the teacher console simply click the relevant tab on your web browser, or close the Student View tab.

Help

At any time, you can click the  button in the top right corner to access additional support resources.



For more information about Mathletics,
contact our friendly team.

www.mathletics.com/contact

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