



# Mathematics Game Based Learning Quick Start Guide

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## Contact Us

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# Section A - Getting Started

## Logging in to your account for the first time as a Teacher

Go to <http://www.mangahigh.com> and click on the orange Login button in the top right-hand corner.

Enter the e-mail address and password that you received from Mangahigh.com.

### Teacher's Login

Email

Password

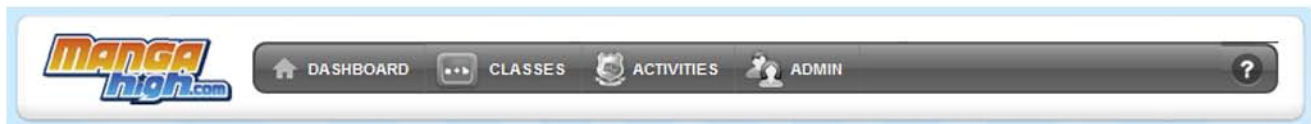
[Forgot Password?](#)

Login

**Forgotten password?** Click 'Forgot Password?' and follow the instructions there.

## The Navigation Bar

This is where you will find most of the features you will need to teach with Mangahigh.



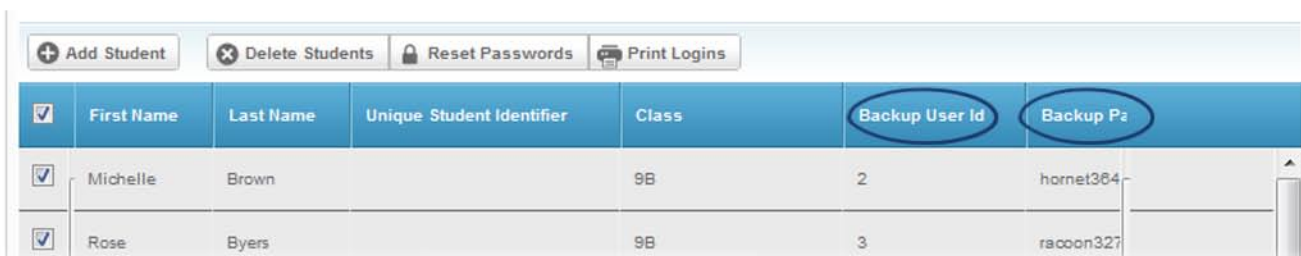
**Dashboard** - Here you can view the past challenges that you have set your students, the score leaderboard, your school login URL, a link to the Student View, and the Prodigy medal statistics.

**Classes** - You can view all of the classes, access active and past challenges, medals achieved, various student statistics as well as the 'Free Play' activities.

**Activities** - Here you can view the Mangahigh Curriculum and also browse through the various games that the students will be playing.

**Admin** - This section of the website is where you will manage the classes and student rosters, as well as faculty members. You can also access the Resources section to access support material.

## Giving your students access to Mangahigh.com



<input checked="" type="checkbox"/>	First Name	Last Name	Unique Student Identifier	Class	Backup User Id	Backup Pa
<input checked="" type="checkbox"/>	Michelle	Brown		9B	2	hornet364
<input checked="" type="checkbox"/>	Rose	Byers		9B	3	raccoon327

Mangahigh will generate a unique ID number and password for each student you add. The unique ID and password appear in the student list at the bottom of the ADMIN page.

# Uploading Students

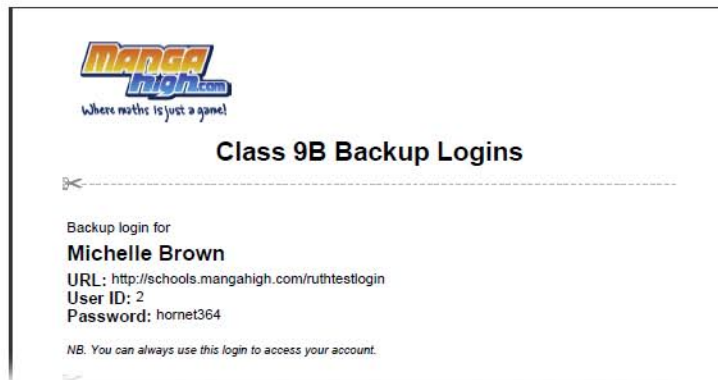


On Mangahigh, every student gets 24/7 access to their accounts. There are 3 ways you can upload your rosters to create individual accounts:

1. You can manually copy & paste the information: First name, last name, class
2. You can upload your own .CSV file - See Appendix 1
3. You can email it to us at support@mangahigh.com

# Printing Student Login Details

To distribute the students' login details, go to the Teacher Admin section, select all of the students in the class you wish to print out (if you want to select all of them, click the tick box in the blue row) and then click Print Logins. This will generate a PDF file to be saved to your computer, which you can download and print.



Example PDF page

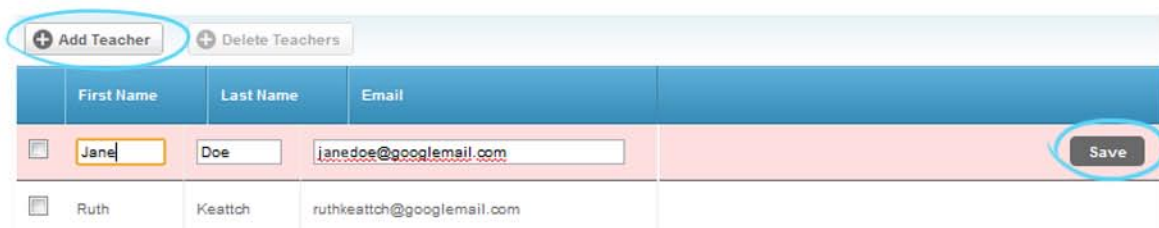
# Student Access



Students will access their account from a different URL: [http://schools.mangahigh.com/\[url\]](http://schools.mangahigh.com/[url]) to access their account. Use your school name where it says [url]. You can find the URL in your TEACHER ADMIN section. To access their account, they will need their **Student ID** and **Password**.

# Adding Teacher Accounts

To add a Teacher Account, go to the Faculty Tab in Teacher Admin. You can add a new Teacher by clicking the Add Teacher button, which will create a new entry for you to fill in. Once you are finished, click Save.

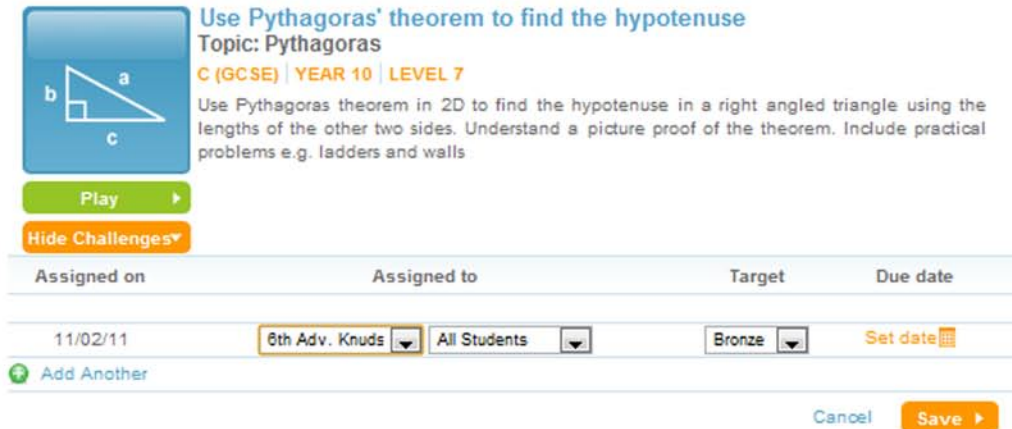


# Section B - Teaching with Mangahigh

## Setting Challenges

Setting a challenge is equivalent to assigning work to your students. These can be done by the students at home or at school either through games, or Prodigy, our interactive quiz that is curriculum compliant, and has a wide range of specific lessons to choose from.

To set a challenge, hover over the ACTIVITIES tab and select CHALLENGES from the drop-down menu. Using the filter in the right-hand column, you can specify what type of challenge you want to set: by game, course, grade, and year.



**Use Pythagoras' theorem to find the hypotenuse**  
Topic: Pythagoras  
C (GCSE) | YEAR 10 | LEVEL 7

Use Pythagoras theorem in 2D to find the hypotenuse in a right angled triangle using the lengths of the other two sides. Understand a picture proof of the theorem. Include practical problems e.g. ladders and walls

Play

Hide Challenges

Assigned on	Assigned to	Target	Due date
11/02/11	6th Adv. Knuds   All Students	Bronze	Set date

Add Another

Cancel Save

Once you find an appropriate challenge, you can play it yourself to ascertain the level and difficulty involved. Click on the Challenges button underneath the Play button. From here you can set the challenge by specifying the class (or individual), target level and due date.

You can check what challenges have been set for your students in the CLASSES tab.

## Introducing New Concepts

To introduce a concept for the first time, you can take advantage of Mangahigh.com's learning pages.



Browse through the Prodigy lessons from the ACTIVITIES tab. Once you find a lesson you wish to try, click on 'Teach Me Now' when it has loaded. This will take you through examples of how it will be played.



PRODIGY Page 5 of 5 LEARN MODE

Complete the working to find side c



Rule  $a^2 + b^2 = c^2$

$$3^2 + 4^2 = c^2$$
$$9 + 16 = c^2$$
$$25 = c^2$$

So  $c = \sqrt{25} = 5$  metres

SUBMIT

SHOW HINT SHOW SOLUTION

PRODIGY Page 5 of 5 LEARN MODE

Learning Complete! Continue to the Quiz?

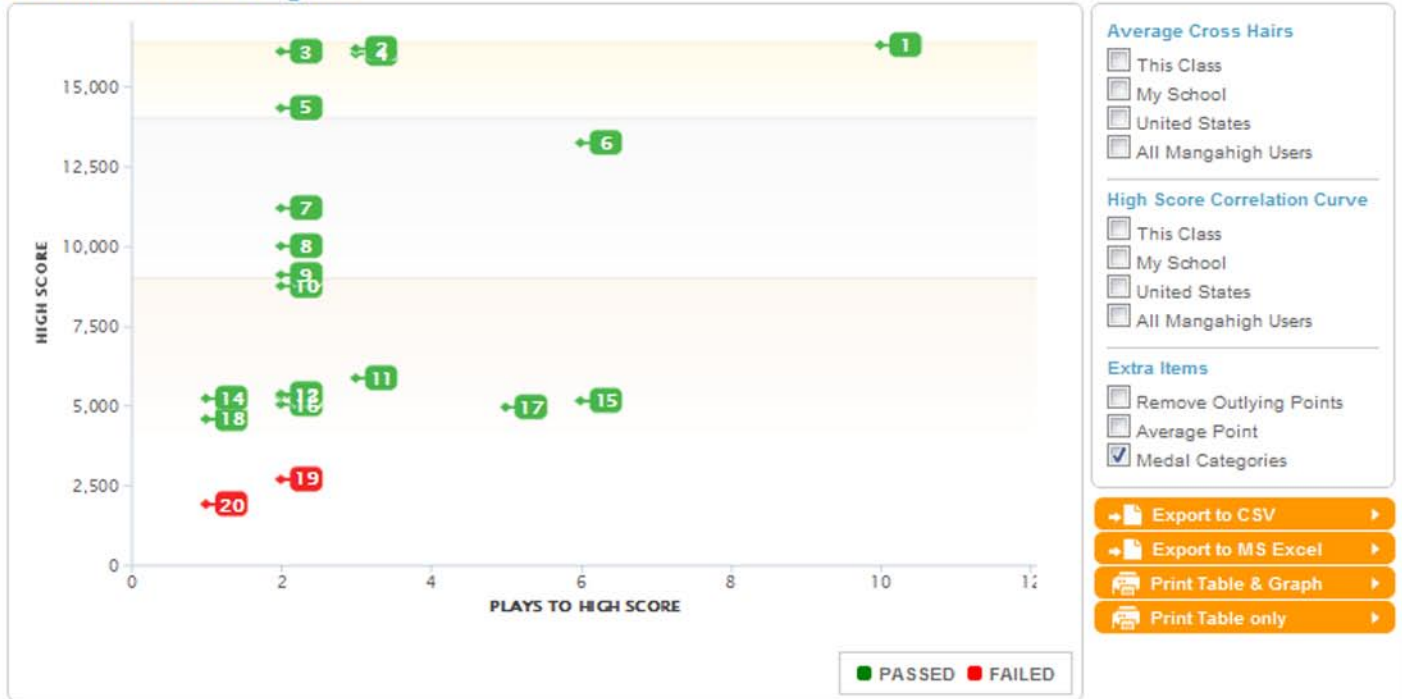
YES, PLAY PRODIGI NOW

NO, I'D LIKE TO QUIT

# Section C - Analytics

In the CLASSES drop-down menu, select CLASS. From here, you can access the analytics for each of your classes.

## Common fractions - eighths



The page initially shows you the medals earned per class in a list. You can specify which class you want to look at via the drop-down menu.

From this page, you can monitor the Class Challenges, Prodigy Averages, Games Freeplay, Student Reports and Class Admin.

In Student Reports you can monitor the progress of individual students against the progress of their class.

FOR UK USERS ONLY:

'Download APP' creates a PDF page for you to download assessing the progress of an individual student. It will show you what they have achieved, and what areas they lack in.

**Assessing Pupils' Progress**  
Assessment criteria:  
Number and algebra

Name: **ADRIANA ABRAHAM**

	Algebra	Numbers and the number system	Calculating
<b>Level 5</b>	<ul style="list-style-type: none"> <li>construct, express in symbolic form, and use simple formulae involving one or two operations</li> <li>use and interpret coordinates in all four quadrants</li> </ul>	<ul style="list-style-type: none"> <li>use understanding of place value to multiply and divide whole numbers and decimals by 10, 100 and 1000 and explain the effect</li> <li>round decimals to the nearest decimal place</li> <li>order negative numbers in context</li> <li>recognise and use number patterns and relationships</li> <li>use equivalence between fractions</li> <li>order fractions and decimals</li> <li>reduce a fraction to its simplest form by cancelling common factors</li> <li>understand simple ratio</li> </ul>	<ul style="list-style-type: none"> <li>calculate including using all four operations with decimals to two places using               <ul style="list-style-type: none"> <li>known facts</li> <li>place value</li> <li>knowledge of operations and brackets</li> </ul> </li> <li>use a calculator where appropriate to calculate               <ul style="list-style-type: none"> <li>fractions</li> <li>percentages</li> </ul> </li> <li>understand and use an appropriate non-calculator method for solving problems that involve multiplying and dividing any three digit number by any two-digit number</li> <li>solve simple problems involving ordering, adding, subtracting negative numbers in context</li> <li>solve simple problems involving ratio and direct proportion</li> <li>apply inverse operations and approximate to check answers to problems are of the correct magnitude</li> </ul>
	<ul style="list-style-type: none"> <li>square a linear expression, and expand and simplify the product of two linear expressions of the form <math>(x+n)</math> or <math>(x-n)</math> and simplify the corresponding quadratic expression</li> </ul>	<ul style="list-style-type: none"> <li>understand and use proportionality</li> </ul>	<ul style="list-style-type: none"> <li>calculate the result of any proportional change using multiplicative methods</li> <li>understand the effects of multiplying and dividing by numbers between 0 and 1</li> </ul>

**Red:** Student has attempted the activity, but has not yet passed (no medal achieved)

**Orange:** Student has gained a bronze medal in the activity. This demonstrates a moderate understanding.

**Green:** Student has gained a silver or gold medal in the activity. This demonstrates a secure understanding.

You also have the option to export the information in a .CSV or .XSL format and to print the student's statistics.

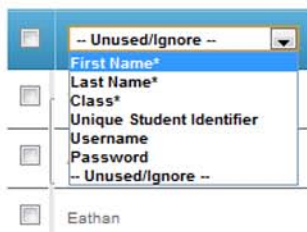
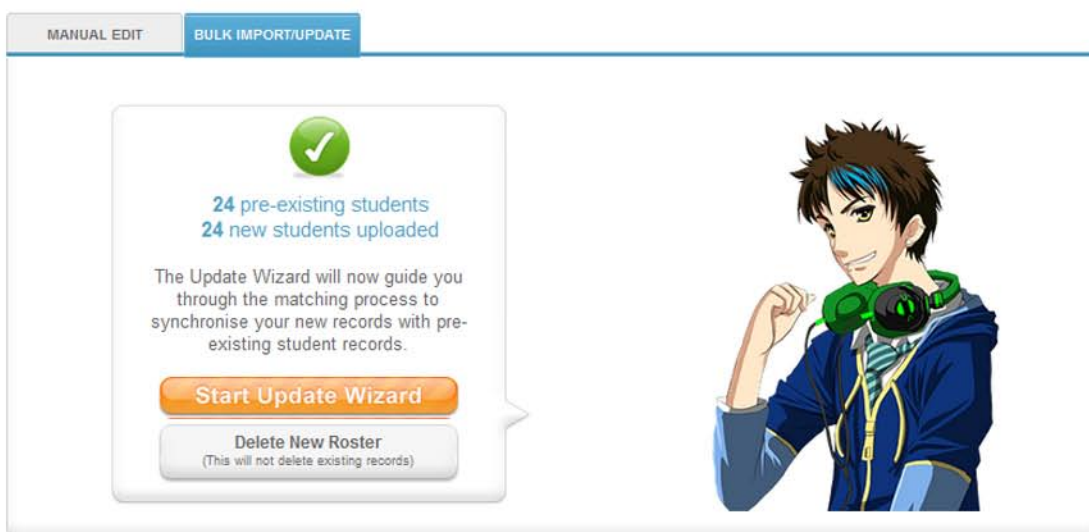
# Appendices

## Appendix 1: Adding your Class Roster

You will need to create a .CSV file with your students' first and last names and their class. You can also specify usernames, passwords and unique identifiers if you wish.



In the Teacher Admin section, go to the Bulk Upload tab. Scroll to the bottom, and upload your .CSV file, then select Import New Roster.



You will be taken through the upload wizard, which will upload the students from your .CSV file. You will need to input the column headings during the wizard by selecting the correct column header in the drop-down boxes.

Once the process has finished, click 'Confirm All Changes'. You will be redirected back to your class overview, with the new entry loaded. You can view this class from the drop-down box.

	First Name	Last Name	Unique Student Identifier	Class	Backup User Id	Backup Password
<input type="checkbox"/>	Abigail	Collard		8B	24	zebra552
<input type="checkbox"/>	Aaron	Franklin		8B	17	scorpion430
<input type="checkbox"/>	Guy	Gonzales		8B	18	zebra278
<input type="checkbox"/>	Darren	Mitchell		8B	16	kitten661
<input type="checkbox"/>	Charles	O'Neill		8B	15	eel478
<input type="checkbox"/>	Anna	Orwell		8B	21	falcon747
<input type="checkbox"/>	Eathan	Patching		8B	14	nands806

Buttons: Add Student, Delete Students, Reset Passwords, Print Logins