

Isaac Physics Virtual CPD: Week 1 Teacher Features

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- Please log in to your Isaac Physics Account
- Please type your questions into the chat



We will learn how to:



Set up groups



Find or make an assignment



Set an assignment



See results



What's the advantage of using Isaac?

TEACHERS

- › Evidence based
- › Physics before format
- › AO2/AO3 calculation and analysis
- › Can be mapped to specification
- › Can be embedded in scheme of work
- › Easy to use
- › Range of uses in/out of classroom
- › Results can be pasted/exported

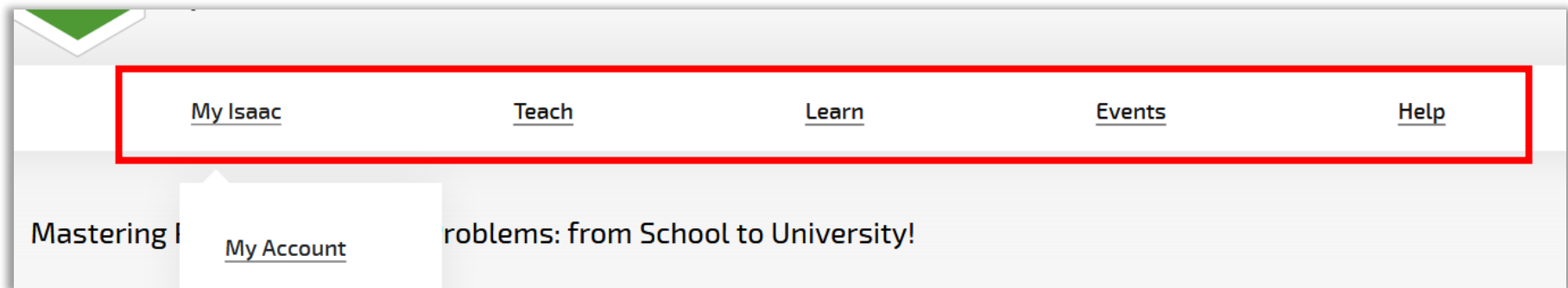
STUDENTS

- › Respected brand
- › Satisfying
- › Engaging
- › Get feedback and hints
- › Sense of achievement and progress
- › Improved general problem solving and resilience
- › Improved performance



Navigating the Isaac Physics site

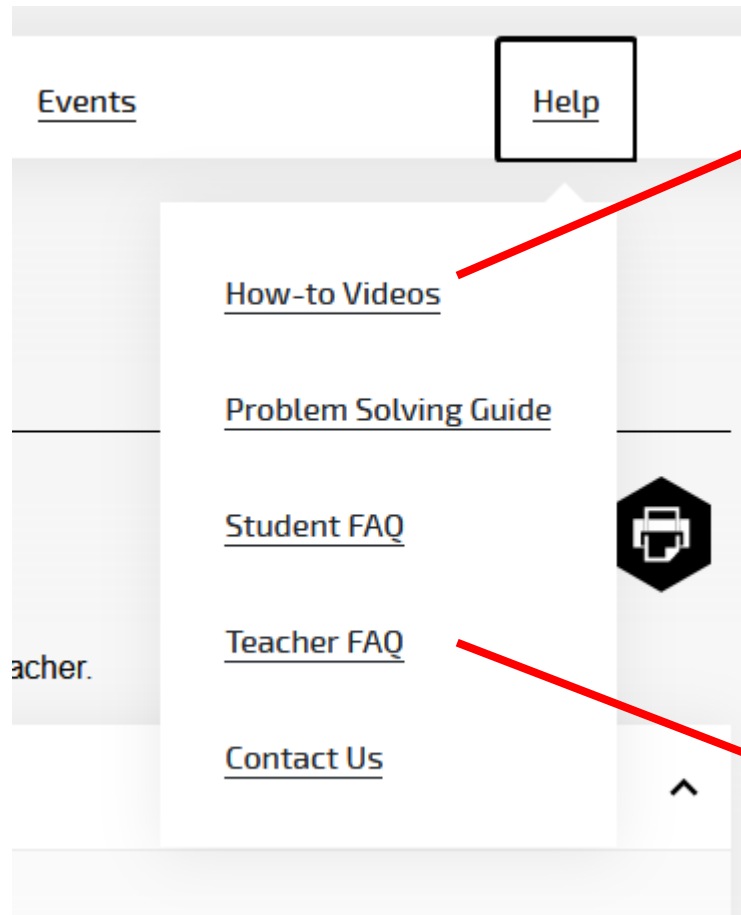
- › All features available through top menu
 - My Isaac: your own account features
 - Teach:* your teacher features
 - Learn: Questions, Concepts, all A-level and GCSE resources
 - Events: all one-off events, mentoring schemes, etc
 - Help: Problem solving guide, teacher and student FAQs



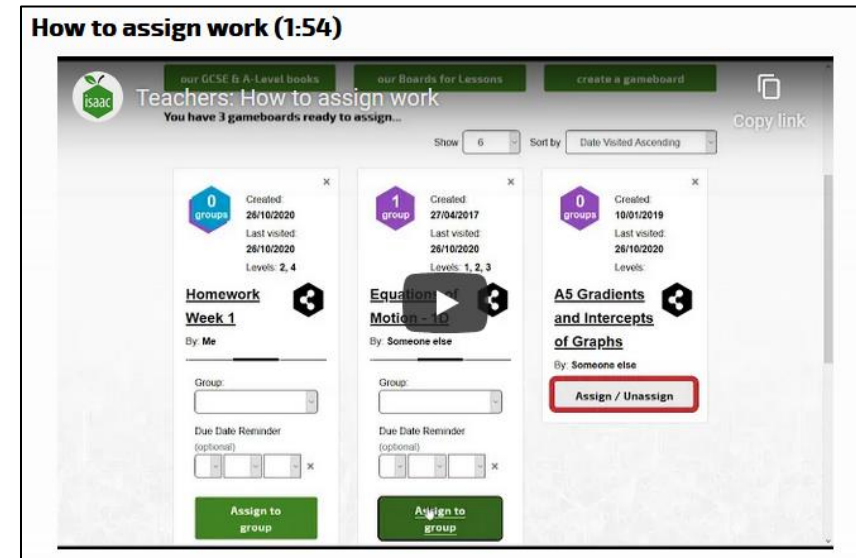
* Teacher accounts only



Help is available!



› Short videos (<2 min) for teachers and students



› Text-based how-tos



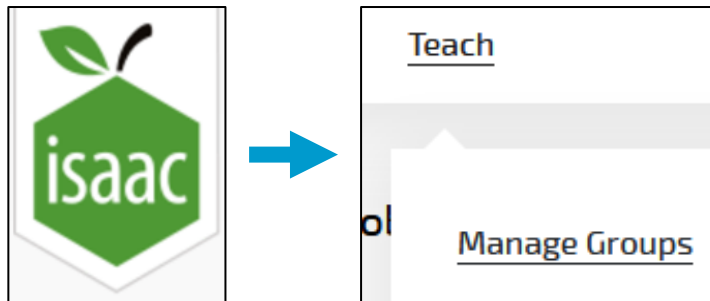
Set up groups:

Help Video



youtu.be/p6msB4oVWCc

› Apple/Teach/Manage Groups/



Type group name in box and click Create

A screenshot of the "Manage groups" interface. The title "Manage groups" is at the top left, and "Help" is at the top right. On the left, there are tabs for "Active" and "Archived", with "Active" selected. Below the tabs, there's a "Groups:" label and a dropdown menu set to "Alphabetical". A group named "12P Astro" is listed with a close button. On the right, there's a "Create group" section with a text input field labeled "Group name" and a green "Create" button. A red arrow points from the text box above to the "Group name" input field. Below the input field, a note says "*Group name is shared with students".



Set up groups:

Help Video



youtu.be/p6msB4oVWCc

CLOSE

Group Created

Invite users

Use one of the following methods to add users to your group. Students joining your group will be shown your name and account email and asked to confirm sharing data.

Option 1: Share link

Share the following link with your students to have them join your group:

<https://isaacphysics.org/account?authToken=EMB2D7>

Option 2: Share code

Ask your students to enter the following code into the Teacher Connections tab on their 'My account' page:

EMB2D7

Link can be emailed to your students' school email accounts. They will be prompted to set up a student account.

Code can be emailed to your students' school email accounts. They will need a student account.



Set up groups:

Help Video



youtu.be/p6msB4oVWCc

Now you've made a group, you may want to:

Add group
managers

Set an
assignment

Create another
group

This allows another teacher to
see the results of assignments
set for this group

[CLOSE](#)

Share your group

Selected group: 12P Astro

Sharing this group lets other teachers edit the group name, add and remove students, set new assignments and view assignment progress. It will not automatically let additional teachers see detailed mark data unless students give access to the new teacher.

Current group managers

There are no additional group managers for this group.

Add additional managers

Enter the email of another Isaac teacher account below to add them as a group manager. Note that this will share their email address with the students.

Enter email address here

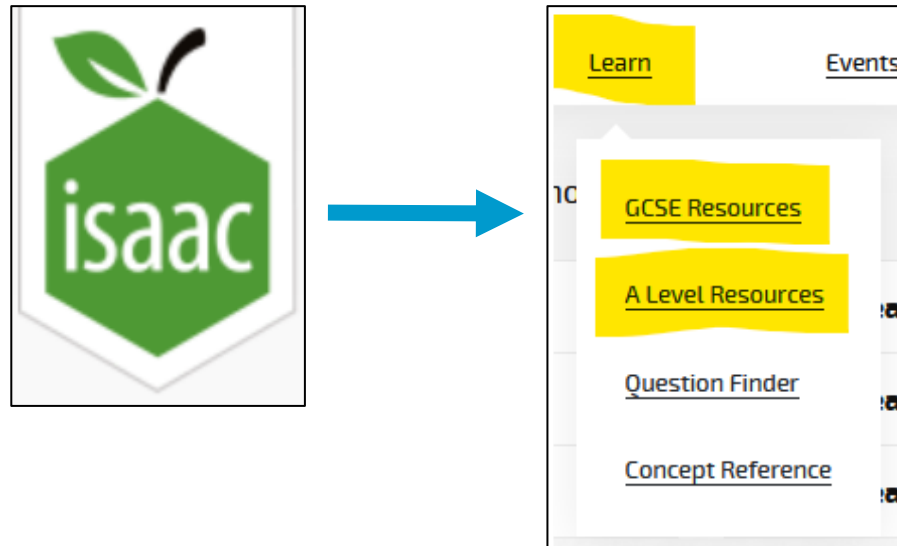
Remember: Students may need to reuse the [group link](#) to approve access to their data for any new teachers.

Add group manager



Find or make an assignment:

- › Apple/Learn GCSE Resources or A Level Resources



Help Video

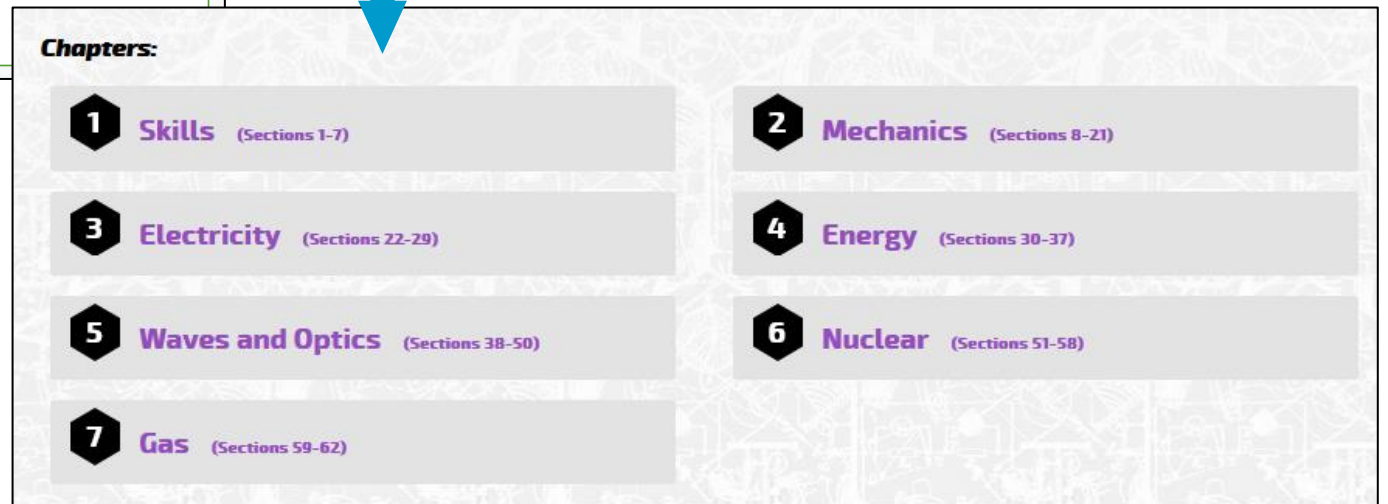
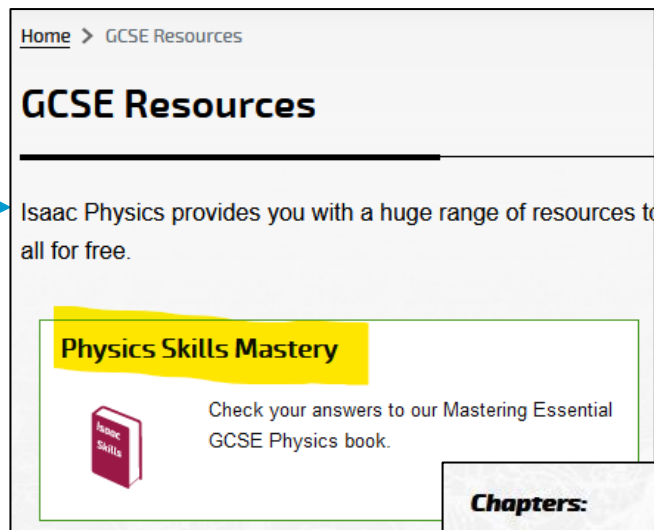
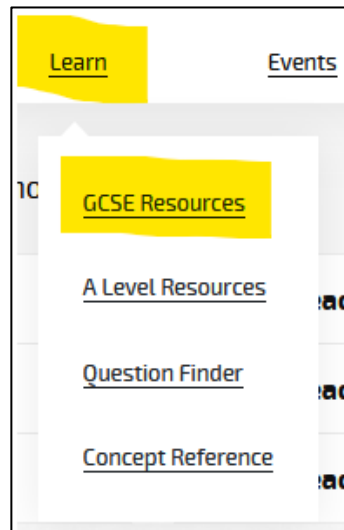


youtu.be/oeEAe0CFKB8



Find or make an assignment:

› GCSE Mastery Tasks





Find or make an assignment:

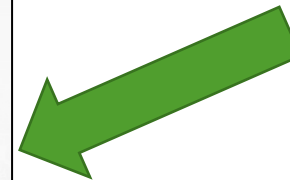
Chapters:

1 Skills (Sections 1-7)	2 Mechanics (Sections 8-21)
3 Electricity (Sections 22-29)	4 Energy (Sections 30-37)
5 Waves and Optics (Sections 38-50)	6 Nuclear (Sections 51-58)
7 Gas (Sections 59-62)	



Electricity CLOSE

22 Charge and Current View board Assign	22A Additional Charge and Current Questions View board Assign
23 Current and Voltage - Circuit Rules View board Assign	24 Resistance View board Assign
25 Characteristics View board Assign	26 Power Calculations View board Assign
27 Resistance and Power View board Assign	28 E-M Induction and Generators View board Assign
29 Transformers View board Assign	



[Home](#) > 23. Current and Voltage - Circuit Rules

23. Current and Voltage - Circuit Rules

✓ Essential GCSE Physics 23.1 Physics	>
✓ Essential GCSE Physics 23.2 Physics	>
✓ Essential GCSE Physics 23.3 Physics	>
✓ Essential GCSE Physics 23.4 Physics	>
✓ Essential GCSE Physics 23.5 Physics	>
✓ Essential GCSE Physics 23.6 Physics	>
✓ Essential GCSE Physics 23.7 Physics	>
✓ Essential GCSE Physics 23.8 Physics	>
✓ Essential GCSE Physics 23.9 Physics	>
✓ Essential GCSE Physics 23.10 Physics	>

[Set as assignment](#) [Duplicate and edit](#)

Help Video



youtu.be/oeEAe0CFKB8



Find or make an assignment:

› GCSE Mastery Tasks

Set assignments

Add a gameboard from ...

our GCSE & A-Level books

You have 247 gameboards ready to assign...

1 group
Created: 26/05/2017
Last visited: 27/07/2020
Levels:

23. Current and Voltage - Circuit Rules
By: Someone else

Group:

Due Date Reminder (optional):

Assign to group

Board currently assigned to:
Test

Close

Click to copy link for this board – save link in your scheme of work



1 group
Created: 26/05/2017
Last visited: 27/07/2020
Levels:

23. Curr
Voltage
Rules
By: Someone else

look_gcse_ch_3_23
Clone and edit

Help Video

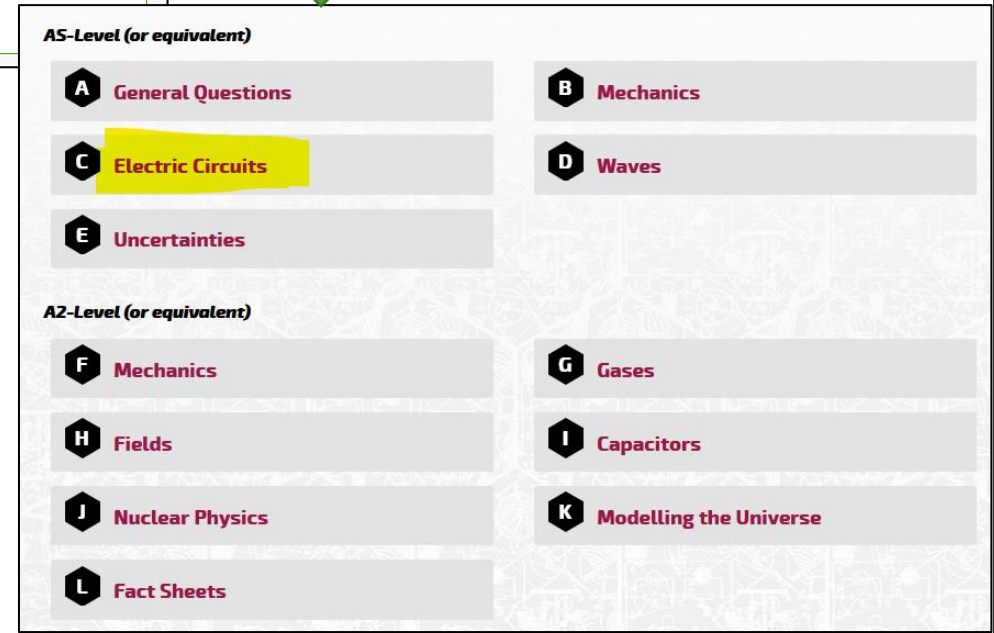
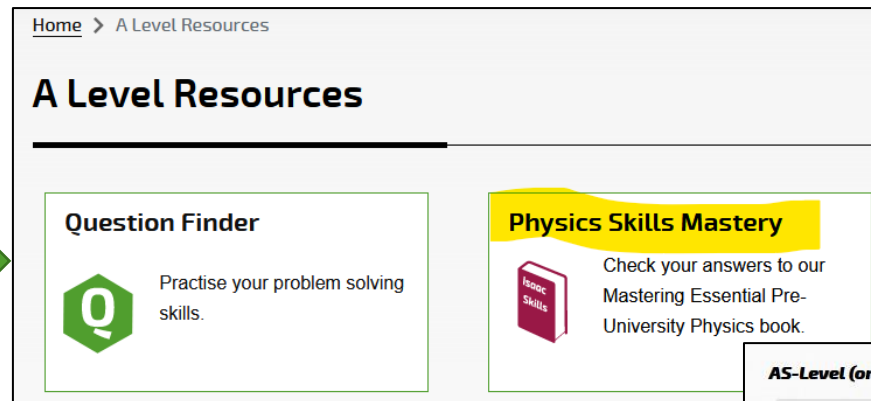
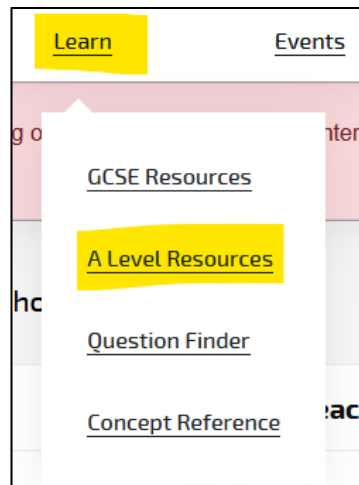


youtu.be/oeEAe0CFKB8



Find or make an assignment:

› A Level Mastery Tasks



Help Video



youtu.be/oeEAe0CFKB8



Find or make an assignment:

› A Level Mastery Tasks

Help Video



youtu.be/oeEAe0CFKB8

Electric Circuits CLOSE

C1 Combinations of Resistors View board Assign	C2 Charge Carriers View board Assign
C3 Charge Carriers II View board Assign	C4 Kirchhoff's Laws View board Assign
C5 Potential Dividers View board Assign	C6 Internal Resistance View board Assign



[Home](#) › C4 Kirchhoff's Laws

C4 Kirchhoff's Laws

Q	Essential Pre-Uni Physics C4.1 <small>Physics</small>	>
Q	Essential Pre-Uni Physics C4.2 <small>Physics</small>	>
Q	Essential Pre-Uni Physics C4.3 <small>Physics</small>	>
Q	Essential Pre-Uni Physics C4.4 <small>Physics</small>	>
Q	Essential Pre-Uni Physics C4.5 <small>Physics</small>	>

[Set as assignment](#) [Duplicate and edit](#)



0 groups Created: 10/01/2019
Last visited: 27/07/2020
Levels:

C4 Kirchhoff's Laws

By: Someone else

Group:

12P Astro

Due Date Reminder (optional)

[Assign to group](#)

Board currently assigned to:
No groups.

[Close](#)



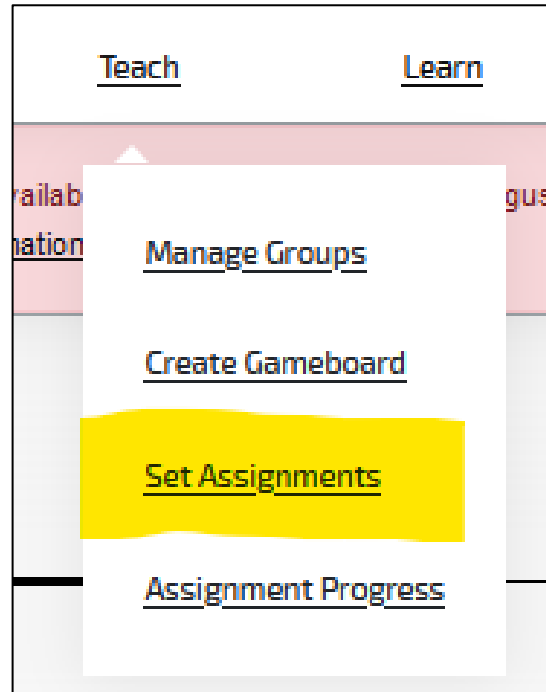
Set an assignment:

Help Video

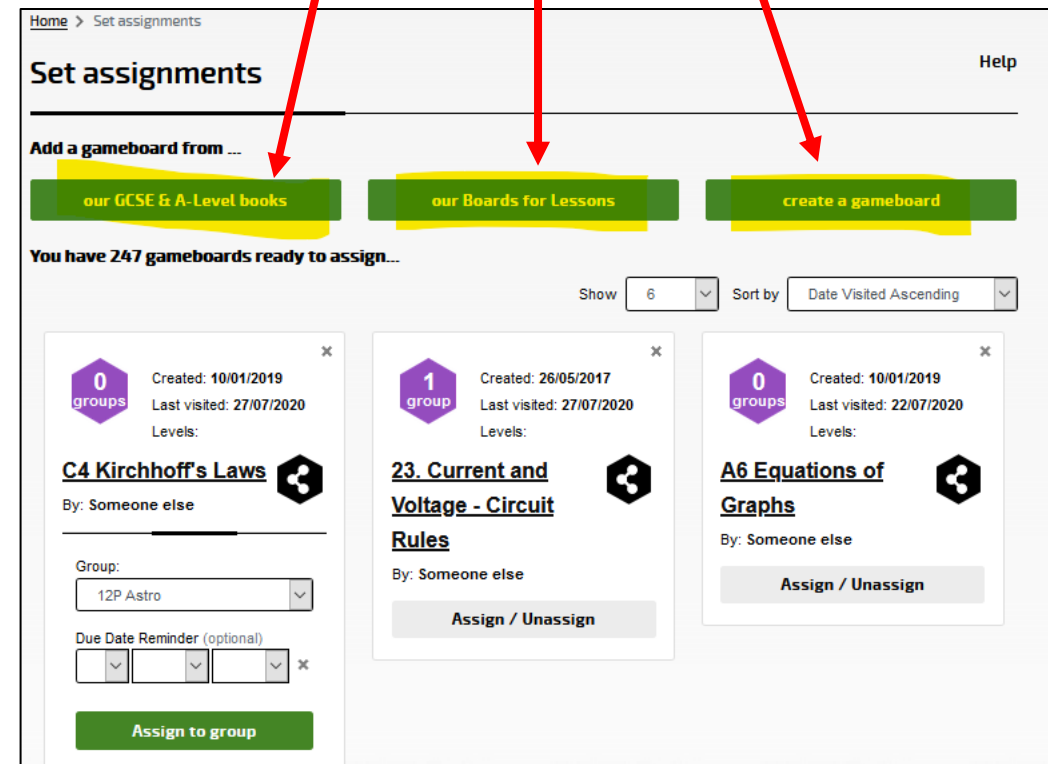


youtu.be/oeEAe0CFKB8

› Teach/Set assignments/



There are 3 options (we focus on the first option in this CPD)





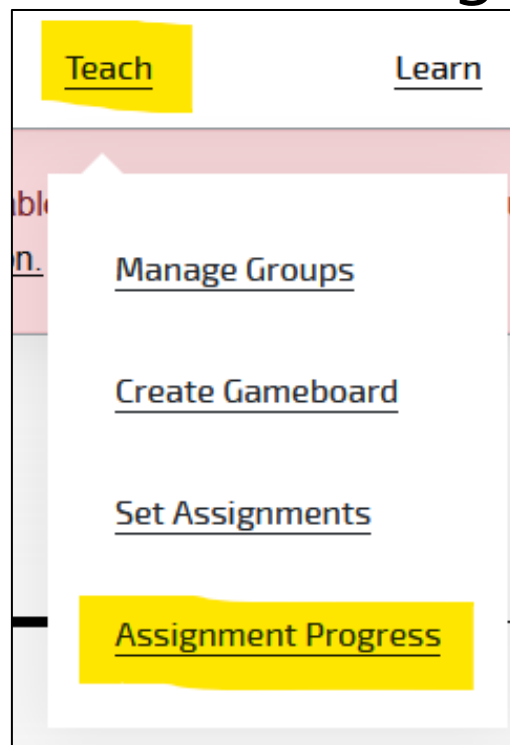
See results:

Help Video



youtu.be/8fymur8PDvI

› Teach/Assignment progress



Home > Assignment Progress

Help

Assignment Progress

Track your class performance

Sort groups: Alphabetical ▾

12P Astro	0 Assignments set (Download Group CSV)	⬆
12P Medical	0 Assignments set (Download Group CSV)	⬆
20200710 Teacher Symposium	26 Assignments set (Download Group CSV)	⬆
Teacher Follow Up/Developing	2 Assignments set (Download Group CSV)	⬆
Teacher Intro/Embed	3 Assignments set (Download Group CSV)	⬆
Test	2 Assignments set (Download Group CSV)	⬆

This gives you the csv of all assignments for this group (cut & paste into Excel – next session)

Click for results of individual assignments in csv or table format



See results:

Help Video



youtu.be/8fymur8PDvI

Test

2 Assignments set ([Download Group CSV](#))

☒ 100% correct

☐ ≥75% correct

☐ <75% correct

☐ Not attempted

☐ >25% incorrect

Colour-blind ☐

Percent view ☐

1. **A Level Pot-Pourri**

[View mark sheet](#) [Download CSV](#) or [View individual assignment](#)

2. **23. Current and Voltage - Circuit Rules** (Due: 30/06/2020)

[View mark sheet](#), [Download CSV](#) or [View individual assignment](#)

Click on percent view to see results as percentages

View mark sheet

1. A Level Pot-Pourri		Hide mark sheet, Download CSV or View individual assignment													
2 of 2 students have completed the gameboard <u>A Level Pot-Pourri</u> correctly.															
		Question: Patch of Light													
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	Total Parts	Total Qs		
<u>Robin Hughes</u>		4/4	7/7	1/1	13/13	1/1	2/2	2/2	1/1	4/4	2/2	37/37	10/10		
<u>Ingrid Murray</u>		4/4	7/7	1/1	13/13	1/1	2/2	2/2	1/1	3/4	2/2	36/37	10/10		
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	Total Parts	Total Qs		

Click on the arrows to change question



See results:

Help Video



youtu.be/8fymur8PDvI

Cut and paste this data into your own Excel spreadsheet

- › Download CSV (comma separated values – to paste into Excel)

Assignment (154637) Results: Downloaded on Mon Jul 27 13:17:17 UTC 2020																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Assignment (154637) Results: Downloaded on Mon Jul 27 13:17:17 UTC 2020															
2	Generated by: Ingrid Murray															
3																
4				Q1 - Sketc	Q2 - Sketc	Q3 - Sketc	Q4 - Sketc	Q1 - Minir	Q2 - Minir	Q3 - Minir	Q4 - Minir	Q5 - Minir	Q6 - Minir	Q7 - Minir	A1.3 - A1.3	B7.2a - B7.2b
5			Correct %	100	100	100	100	100	100	100	100	100	100	100	100	100
6	Last Name	First Name	User ID													
7	Hughes	Robin	2555	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Murray	Ingrid	66093	1	1	1	1	1	1	1	1	1	1	1	1	1
9																

View individual assignment

Download CSV

2 of 2 students have completed the gameboard A Level Pot-Pourri correctly.

◀

Question: Sketching graphs of sin and cos squared

▶

	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	Total Parts	Total Qs
<u>Robin Hughes</u>	4/4	7/7	1/1	13/13	1/1	2/2	2/2	1/1	4/4	2/2	37/37	10/10
<u>Ingrid Murray</u>	4/4	7/7	1/1	13/13	1/1	2/2	2/2	1/1	3/4	2/2	36/37	10/10
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	Total Parts	Total Qs

Click on the arrows to change question



Key Points

- › Clicking the Apple takes you home
- › Teacher features accessed via Teach in menu and Teacher Features on homepage
- › Keep a copy of the URLs of the boards you make
- › It is worth spending time embedding the URLs in your scheme of work
- › Work out how to put data into your school mark book
- › Students control their own accounts
- › Explore range of resources for boards: subjects/levels/mastery books/problem solving/quizzes
- › Need support?
- › <https://isaacphysics.org/contact> anyone able to help will pick this up
- › [ingrid@isaacphysics.org/](mailto:ingrid@isaacphysics.org) goes to Teacher Manager only
- › <https://www.talkphysics.org/groups/isaac-physics/> an Isaac community



Next session....

Week 2 Explore the Site!

This session will be an interactive guided tour of the many features on the Isaac Physics website that will support your physics teaching at GCSE and A Level.

You will be better prepared to access the full functionality of the site for planning; lessons; homework; independent learning; enrichment; university preparation; revision and more.