



# Opportunities for Teachers: CPD and Awards

Ingrid Murray, Teacher Support Manager, July 2025

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# Isaac Physics Teacher CPD



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# Teacher CPD:

find it in Isaac Events: <https://isaacscience.org/events>

Aim: to support schools and teachers to use Isaac Science resources and to participate in the Isaac community

## ❖ We train:

- ✓ ITE trainees
- ✓ Teachers
- ✓ Departments
- ✓ MATs

## ❖ We offer:

- ✓ SKE (subject knowledge enhancement), pedagogy and networking with other teachers
- ✓ Getting started with Isaac
- ✓ How to use Isaac effectively
- ✓ Embedding support

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# Teacher CPD:

find it in Isaac Events: <https://isaacscience.org/events>

**Supporting schools and teachers to use Isaac Science resources and to participate in the Isaac community**

- **one hour sessions** booked individually via Events
- Sessions focused on one topic, e.g. how to use teacher features, remote learning resources
- **Short 5/6 week courses** to deliver a package of skills and support
- Tailored to different needs: new to Isaac Science, experienced users, maths skills, question-writing skills

# Teacher CPD: what does it look like?

## Learning about Isaac Science resources

- New to Teaching with Isaac Science
- Working Towards Expert Teacher Status
- Using the new-look website

## Teaching topics effectively using Isaac Science

- Mechanics Topic CPD
- Electricity Topic CPD
- Waves Topic CPD
- Nuclear Topic CPD

## Developing specific skills

- Question-writing

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# IOP-endorsed: physics teacher educator



“I am delighted to be a graduate of the IOP’s Physics Teacher Educator (PTE) Programme. In addition to official recognition from the IOP as a Physics Teacher Educator, I am part of a growing, diverse physics community across the UK and Ireland for everyone educating teachers of physics.”

February 2024



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# Courses in 2025-2026:

## New to Teaching with Isaac Science (NTTWIS)

- Week 1: Teacher features
- Week 2: Explore the site
- Week 3: Using chemistry, maths and biology resources
- Week 4: Using quizzes, tests and spreadsheets
- Week 5: Review

## Working Towards Expert Teacher Status (WTETS)

- Week 1: Embedding Isaac Physics in my school
- Week 2: Working with Isaac Resources
- Week 3: Problem solving together 1
- Week 4: Working with other Schools
- Week 5: Running Events and Training
- Week 6: Problem solving together 2

# Courses in 2025-2026:

## Topic Mastery

- Week 1: KS3 Mastery questions
- Week 2: GCSE Mastery questions
- Week 2: A Level Mastery questions
- Week 3: GCSE Problem solving
- Week 4: A Level Problem solving
- Week 5: Concept, Revision and Consolidation Lessons and Linking Concepts
- Skills & Mechanics; Electricity; Waves; Nuclear Physics

## Physics Question Writing

- Fancy having a go at writing questions for the BPhO, exam board or lessons?
- Learn the skills and steps with experienced physics question writers
- Practise in a respectful, supportive environment
- No teacher will be put on the spot!
- Helps you to write, evaluate and interpret physics questions.
- Let's increase diversity in the physics question writing community!



# Courses in 2025-2026:

Book now to get set up for the new academic year:

- Using Isaac Science Teacher Features (4.30pm, Tuesday 2 September)
- Exploring the new site: Isaac Science (4.30pm, Wednesday 3 September)
- Embed Isaac Science in your Scheme of Work (4.30pm, Monday 1 September)
- Booking at <https://isaacscience.org/events>



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# Your Isaac Science Community....



Join our friendly WhatsApp Community for help and support with Isaac Science and groups for physics/maths, chemistry, biology and computer science teaching issues.

<https://tinyurl.com/isaacwac>



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# Isaac Science School Awards



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# Isaac Science School Awards



- ❖ Isaac Embedded Schools
- ❖ Three levels of engagement
- ❖ Schools may display their award on their website or stationery for one academic year
- ❖ Aim is to provide a snapshot of how schools are using Isaac Science, based on the previous year's data
- ❖ CPD and opportunities can be targeted to the school's engagement
- ❖ Data is processed in September/October



# Isaac Science School Awards



Embedded schools often:

- embed Isaac Physics in their schemes of work;
- encourage teachers to attend Isaac Physics free online CPD;
- work with other schools and colleges to support the use of Isaac Physics: for example, hosting workshops or CPD

However, we no longer require evidence of this for awards as we feel that this would increase teacher workload.

Criterion	Bronze	Silver	Gold
Assignments set per term for 2 of 3 terms <b>per active teacher</b>	10	30	50
Annual assignments set <b>per active teacher</b>	25	75	125

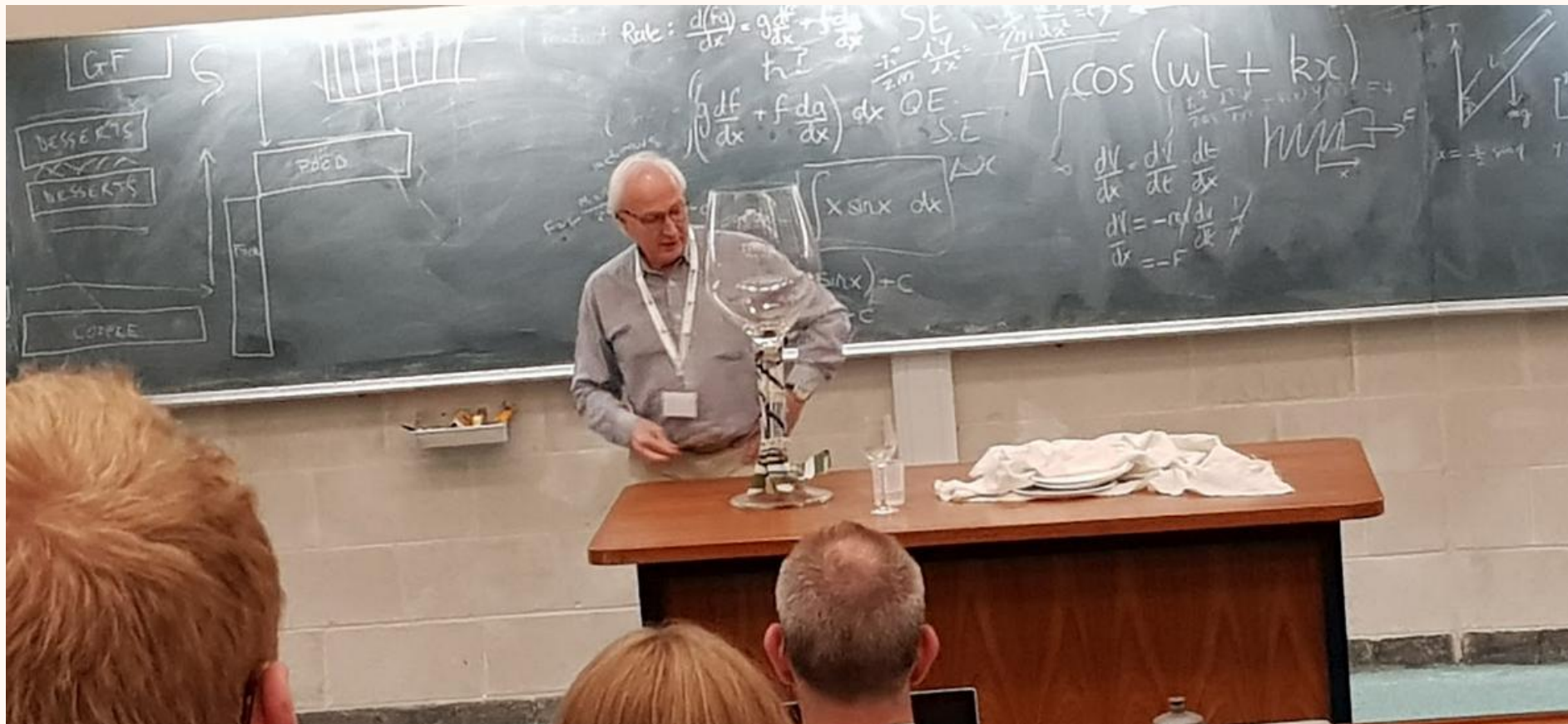


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# Isaac Science Teacher Awards



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# Isaac Science Teacher Awards

- ❖ Isaac Physics Expert Teachers
- ❖ Three levels of engagement
- ❖ Teachers may display their award on their website or stationery for one academic year
- ❖ Aim is to provide a snapshot of how teachers are using Isaac Physics, based on the previous year's data
- ❖ CPD and opportunities can be targeted to the teacher's engagement
- ❖ Automatically calculated in September



# Isaac Science Teacher Awards

Criterion	Active	Super	Pro
Assignments set per term for 2 of 3 terms	10	30	50
Annual assignments set	25	75	125



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# Isaac Ambassadors



- ❖ Ambassadors take on a more strategic role in their use of Isaac Science.
- ❖ They are heavily involved in the work of the Isaac Science Team, for example:
  - Training students and teachers
  - Developing resources
  - Supporting regional hubs
  - Tutoring in events
- ❖ Teachers may display their award on their website or stationery for one academic year
- ❖ From 2025, Ambassador Awards will be reviewed annually, subject to engagement and maintenance of Super or Pro Teacher status.



Our Isaac Ambassadors:

- ❖ Nick Davies
- ❖ Karen Hill
- ❖ Keith Dalby
- ❖ Jed Marshall
- ❖ Justin Palfreyman
- ❖ David Buckley
- ❖ Hiba Albuhaishi
- ❖ Diana Bracewell
- ❖ Sherry Majidi
- ❖ James Perkins

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# Thank you for listening!



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