

Opportunities for Teachers: CPD and Awards

Ingrid Murray, Teacher Support Manager, July 2024



Isaac Physics Teacher CPD





Invest 60 min in Isaac CPD and save **MORE** time in planning and marking!



Last Year:

- 6 CPD courses
- 6 Ambassadors
- 23 certificates awarded
- 164 Isaac WhatsApp members
- 296 teacher hours of CPD

This Year:

- 8 CPD courses
- 8 Ambassadors
- 33 certificates awarded
- 290 Isaac WhatsApp Community members in 7 groups
- 437 teacher hours of CPD

Next Year..... 2 new courses!



Teacher CPD:

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

Aim: to support schools and teachers to use Isaac Physics 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



Teacher CPD:

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



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

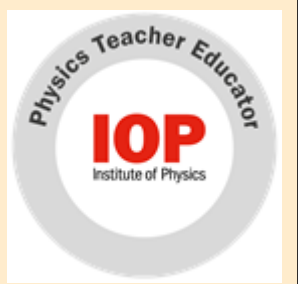
- **one hour sessions** booked individually via Events
- Sessions focused on one topic, e.g. how to use teacher features, remote learning resources
- **Short 5/6 week courses** to deliver a package of skills and support
- Tailored to different needs: new to Isaac Physics, experienced users, maths skills,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



Teacher CPD: What does it look like?

Learning about Isaac Physics resources

- New to Teaching with Isaac Physics
- Working Towards Expert Teacher Status
- Using Isaac Teacher Features
- Using Isaac 11-14 Resources

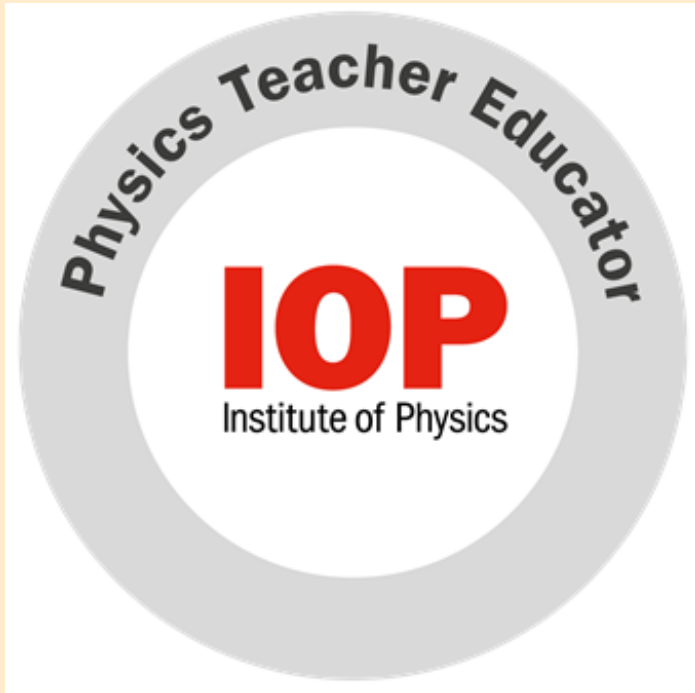


Teaching topics effectively using Isaac Physics

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

Developing specific skills

- Question-writing
- Maths skills for science teachers



"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





Proposed courses for 2024-2025:

New to Teaching with Isaac Physics (NTTWIP)

- 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



Proposed courses for 2024-2025

Topic Mastery

- Week 1: 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, Step Up to GCSE and Linking Concepts
- Skills & Mechanics; Electricity; Waves; Nuclear Physics

New! Introduction to 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!



Proposed courses for 2024-2025

New! Maths skills for Science Teachers

- 8 week course, focusing on key topics
- Evidence-based: using IOP research
- To be developed into an Ogden Trust SKPT module
- Currently under development
- There will be a pilot course to get teacher feedback

Proposed courses for 2024-2025

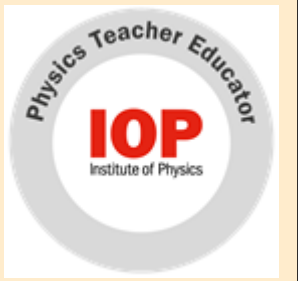
Book now to get set up for the new academic year:

- IntroEx: Using Isaac Physics Teacher Features (1.30pm, Monday 2 September)
- Follow Up: discover the full functionality of the Isaac Physics platform (2.40pm, Monday 2 September)
- Embed Isaac Physics in your Scheme of Work (5.00pm, Tuesday 3 September)
- Booking at <https://isaacphysics.org/events>





Your Isaac Physics Community....



Join our friendly WhatsApp Community for help and support with Isaac Physics and physics teaching issues.

<https://tinyurl.com/isaacwac>





Isaac Physics School Awards





School Awards

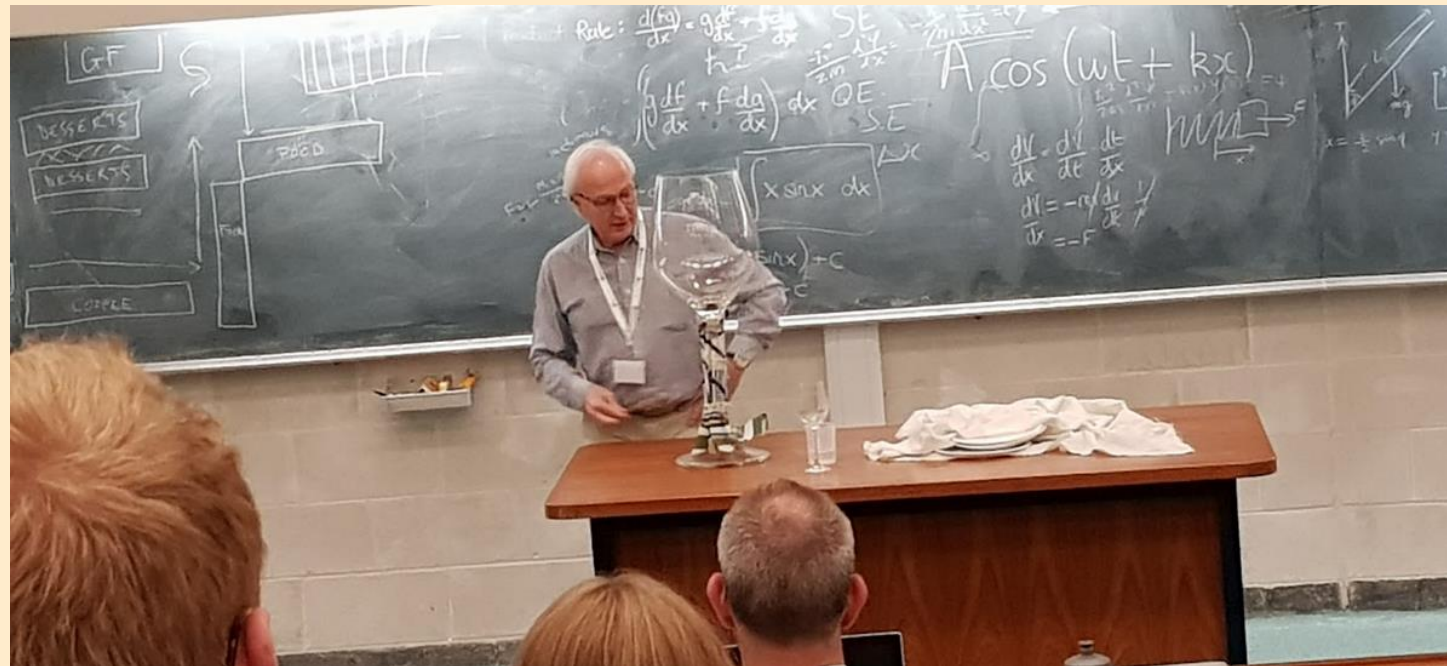
- ❖ Isaac Embedded Schools
- ❖ Three levels of engagement
- ❖ Schools may display their award on their website or stationery for one academic year
- ❖ Aim is to provide a snapshot of how schools are using Isaac Physics, based on the previous year's data
- ❖ CPD and opportunities can be targeted to the school's engagement
- ❖ The scheme did not operate in 2023-2024, however new awards will be made in September 2024





Isaac Physics School Awards

Criterion	Bronze	Silver	Gold
Assignments set per term for 2 of 3 terms per active teacher	10	30	50
Annual assignments set per active teacher	25	75	125
Additional evidence (2 for Silver and 4 for Gold)	None required	Isaac links in scheme of work Termly engagement with Isaac event or CPD working with other staff members to promote embedding Isaac	Isaac links in scheme of work Termly engagement with Isaac event or CPD working with other staff members to promote embedding Isaac contribute to Isaac event delivery or website work with teachers in other schools to promote Isaac Physics





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 Physics Teacher Awards

Criterion	Active	Super	Pro
Assignments set per term for 2 of 3 terms	10	30	50
Annual assignments set	25	75	125
Additional evidence (2 for Super and 4 for Pro)	None required	Isaac links in scheme of work Termly engagement with Isaac event or CPD working with other staff members to promote embedding Isaac	Isaac links in scheme of work Termly engagement with Isaac event or CPD working with other staff members to promote embedding Isaac contribute to Isaac event delivery or website work with teachers in other schools to promote Isaac Physics



Isaac Ambassadors

- ❖ Ambassadors take on a more strategic role in their use of Isaac Physics
- ❖ They are heavily involved in the work of the Isaac Physics 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



Our Isaac Ambassadors:

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



Thank you for listening!