

Physics in the Freezer CIO Annual Report

13 September 2024 - 30 November 2025

Charity Name: Physics in the Freezer
Charity Number: 1210019
Address: 13 Elm Close, Yatton, North Somerset BS49 4EL
Trustees: David Williams, Andree Williams, Christine Williams, Declan Garrett, Christy Yeung

Structure and Management

One trustee passed away (Christine Williams). The trustees decided not to seek a replacement at this time and there were no other changes to structure or management.

Objectives

To advance the education of the public in the subject of the physical sciences in particular, but not exclusively, by facilitating educational science shows for children in schools and community settings. These science shows will take place in the UK.

Achievements and Performance (Year 1 Activities)

Activities paused on 24 September 2024 for the autumn, due to the passing of Christine Williams (a founding trustee) apart from events already booked.

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| 3 Oct 2024 | Wicklea Academy, Bristol
Physics in the Freezer show for Year 5 |
| 3 Oct 2024 | Glenfrome Primary School, Bristol
Physics in the Freezer show for Year 5 |
| 4 Oct 2024 | IoP Wales Teacher Training, Brecon
Physics in the Freezer: Working Safely with Liquid Nitrogen |
| 5 Oct 2024 | Brecon High School – Super Science Saturday
Physics in the Freezer show for public audience |
| 5 May 2025 | SomerScience
Stage manager, Science of Ice Cream show |
| 22 May 2025 | Stoke Gifford Primary School
Physics in the Freezer show for Year 5 – presented with UWE MSc Science Communication student |
| 22 May 2025 | Court de Wyck Primary School
Physics in the Freezer show for Year 5 – presented with UWE Science Communication student |
| 14 June 2025 | Yatton Junior School Carnival
Physics in the Freezer table demos for broad community audience |
| 17 June 2025 | Brecon High School |

Trained Year 12 students to deliver Physics in the Freezer show with UWE
MSc Science Communication student

- 18 June 2025 Brecon High School
Worked with UWE MSc Science Communication student to facilitate delivery of 3 Physics in the Freezer shows (2 for visiting Year 5s from 3 schools, 1 for BHS Year 7)
- 28 June 2025 UWE Engineering Family Fun Day
Physics in the Freezer and Superconductor table demonstrations – presented with 3 students from the UWE MSc Science Communication programme
- 7 July 2025 Cheddar Grove Primary School, Bedminster Down
Physics in the Freezer show for Year 5 – presented with UWE Science Communication student
- 8 July 2025 Christ Church Primary School, Downend
Physics in the Freezer show for Year 5 & 6
- 18 Sept 2025 Glenfrome Primary School, Easton
Physics in the Freezer show for Year 5
- 23 Sept 2025 Yeo Vale Primary School, Clevedon
Physics in the Freezer show for Year 5
- 3 Oct 2025 IoP Wales Teacher Training, Brecon
Physics in the Freezer: Working Safely with Liquid Nitrogen
- 4 Oct 2025 Brecon High School – Super Science Saturday
Physics in the Freezer show for public audience (presented by Sixth Form trained in June visit to Brecon High School)
- 16 Oct 2025 Wicklea Primary Academy
Physics in the Freezer show for Year 5

4 UWE MSc Science Communication students given opportunities to present

6 Sixth Form enabled to present Physics in the Freezer shows

30 teachers in CPD session (Brecon, both times)

Super Science Saturday, Brecon (150, both times)

12 primary schools reached* – average of 75 pupils per school = 900 pupils

* 2 schools reached twice as this period covers more than 12 months, different children

Estimated attendance at festivals and public events:

Somerscience (65)

Yatton Junior School Carnivale (100)

UWE Engineering Family Fun Day (200)

Total people reached: c. 1,635

Charity Accounts

No income was received and no payments were made.

Approximately half of the liquid nitrogen was donated by the University of the West of England, and the rest of the expenses relating to shows were paid out of pocket by D Williams.

The charity borrows the equipment used for shows from D Williams who owns it.

Schools and other organisations are not asked to pay for the charity's activities, and the activities are therefore eligible to be covered by STEM Ambassadors UK insurance.

In the AGM, trustees agreed to open a bank account with a view to raising funds in the future.

AGM

An AGM was held on 6 September, 2025 with David Williams, Andree Williams, Declan Garrett and Christy Yeung present.

A resolution of thanks to Christine Williams was passed unanimously for her help in setting up the Charity and helping to purchase equipment used by it.

The Charity's activities were discussed and deemed suitable.