



Contribution ID: 33

Type: **Oral presentations**

Air-source heat pumps in the secondary physics laboratory

Thursday 29 August 2024 10:30 (20 minutes)

Decarbonisation of home heating in England is accelerating through the phasing out of gas boilers and the introduction of air-source heat pumps. We argue that the physics secondary school curriculum in England therefore needs to change to include understanding of the thermodynamic principles of operation of air-source heat pumps. We present details of a classroom activity to demonstrate the efficiency of air-source heat pumps compared to other forms of home heating.

How would you like to present your contribution?

Live in Kraków (time slot to be allotted based on the programme)

Target education level

Secondary

Category

Formal Education

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Session Classification: Oral presentations

Track Classification: Experiments and Practical Work in Physics Education