EXPLORING EXTREME ENVIRONMENTS (E3)

Evaluation Summary

E3 was a cross-curricular science and arts project funded by the STFC, and delivered in 8 primary schools in the Northeast of England.

Grant Number: ST/S000070/1

Over 3 years, children and their teachers and their families, met professionals in the arts and sciences to explore the extreme environments: the heat of the Sun's corona and the sub-zero conditions of Antarctica.

Project activities and aims

- SHOWCASE STFC research and facilities
- BUILD science-capital in low science-capital families
- INCREASE the confidence of primary school teachers to teach science and technology

THE EVALUATION OF E3 FOUND:



Improved attitudes to science

More childen describes science as a 'positive experience', and fewer children used stereotypical descriptions of scientists after the project.

Teacher's confidence increased

- Enjoyment of science increased by 16%.
- Self-efficacy in science teaching increased by 16%.
- Perceived relevance of science increased by 16%.

CONFIDENCE HIGHER THAN AMONG GENERAL TEACHING POPULATION

STFC

focused

Assembly

Underneath the Ice

Workshop

EYFS story-

time Activities

Imagining

the Sun

Workshop

Teacher CPD

Family Space Workshop

STFC

Scientist of

the Week



2

Improved knowledge of the STFC

Teachers knowledge of the STFC increased by 22%.

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