Rosehill School – Curriculum Project Impact Report

FESTIVAL OF SCIENCE 2025

Subject Lead: Ian Wolstenholme

Project Dates: Jan – Feb 2025

Key Learning Objectives

At the end of the Project the pupils will have:

- A number of pupils to be given the opportunity to experience specialist teaching in the Curriculum area of Microbes and Germs with a PHD Student from Nottingham University.
- All pupils in school will experience visual and stimulating experiments which showcase visual changes to help them access the learning, for example on the density of different materials.
- All pupils will enjoy practical Science experiments, engaging them and helping to develop a sense of wonder and inspiration and an understanding that the natural world is not as obvious/ straight forward as it may appear.
- Achieved key objectives with the National Curriculum for Science.

School Development Plan Links: Enriching pupils' personal development and cultural capital; *we will enable our pupils to discover new and exciting concepts, which promote pastime interests and develop their life skills through a broad range of rich and varied life skills and enrichment opportunities, i.e., outdoor education, which promotes independence*

Pupil Premium Plan Links: *Accessing non-academic barriers to attainment and providing wider strategies; providing a broad and balanced curriculum and specialist support for their emotional wellbeing in order to become resilient, engaged and independent young people who can self-regulate their own behaviour*

Project Content

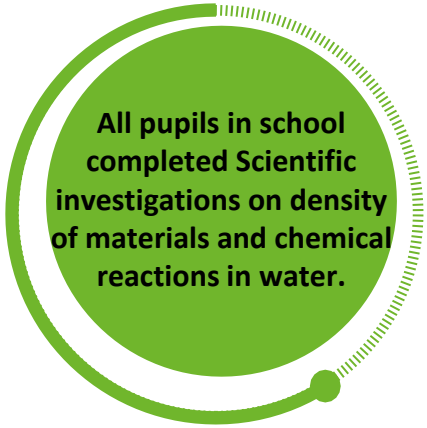
This Project really allowed pupils to experience an age related aspect of Science in KS3/4 that they might have traditionally struggled to access. Use of Scientific Equipment such as microscopes or seeing black light, and completing complex experiments such as separating bases and acids and forming plastic from milk as one example, were of such a huge benefit for the pupils involved!

The whole school was involved during the Week of the Festival itself, completing a number of lessons/ experiments which had visual 'wow' moments so that they could enjoy and experience Science in real life!

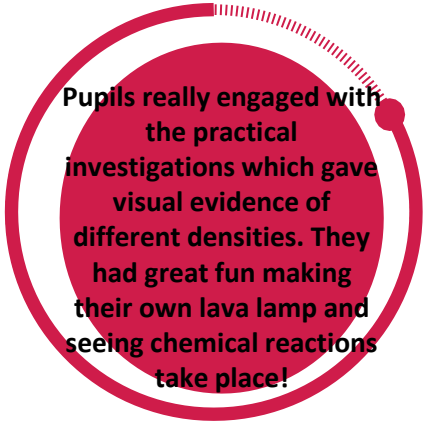
"The best and richest classroom is roofed only by the sky"

Impact on Children and Young People

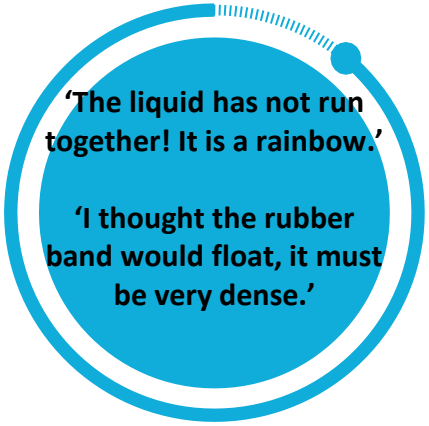
Engagement and meaningful participation



Learning and knowledge gained



Evidence through learning walk/ observations



Pupil Voice/ feedback

"Don't just tell children about the world, show them"

Impact of Festival of Science Through Photographs

"Where flowers bloom, so do children"

Impact of Festival of Science Through Photographs

Next Steps

1. Collaboration with Nottingham University to continue. Project will run again next year.

2. Continue to encourage the use of Scientific process to lead/ drive all practical lessons.

3. Ensure that pupils are engaged with Age Related content in Upper Departments which has been adapted specifically to meet the needs of Rosehill pupils.

Developments will be overseen by the Subject Lead and reviewed as part of the subject action plan