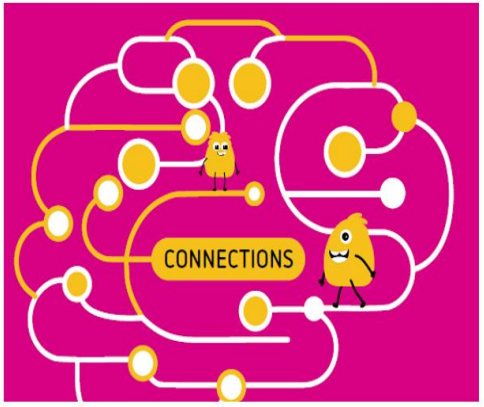
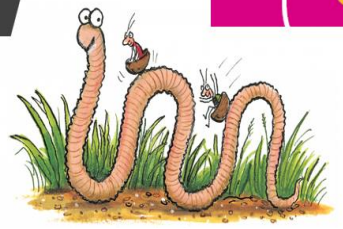
Rosehill School – Curriculum Project

Science week





Subject Lead: Hannah Scarfe
Project Dates: February 2023

Key Learning Objectives

At the end of the Project pupils will have worked scientifically by:

- Showing an understanding of science particularly in the connections between soil and insects.
- Engage with different scientific experiments and challenges, Performing simple tests
- Using simple equipment to perform tests
- Being able to use simple measurements to record data and discuss their findings, in particular the worm observation station
- Identifying and classifying
- Asking simple questions about growth and using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions
- Have had the opportunity to work with a soil scientist exploring the impact of different insects and how they impact the biology of the soil.
- Collecting food waste to feed the worms in the school wormery, in turn making nutrient rich compost.

School Development Plan Links:

- **Personal Development**: To further develop the school environmental sustainability approach, exploiting our natural environment.
- **Leadership and Management**: invite new research projects to take place in the school to promote awareness and understanding of autism amongst our wider communities

Project Content

Science plays an important role within education as it gives us opportunity to gain a better knowledge of why things function, how the world works around us driven through curiosity, reasoning, exploration and experimentation through trial and error.

The theme of this year's Science Week covered the topic of connections – our week of Science was scheduled earlier that the formal dates to be able to link in with a local initiative "The Nottingham Festival of Science and Curiosity.

There were many cross-curricular links throughout the week through STEM – science, English, art and DT. There was also a focus on providing a range of sensory resources and ideas that could be adapted to learners accessing a range of pathways.

Impact on Children and Young People

Pupils have developed an understanding of the natural world and the importance of minibeasts on the soil.

Pupils have learned about different types of insects, what they look like and how they change the soil.

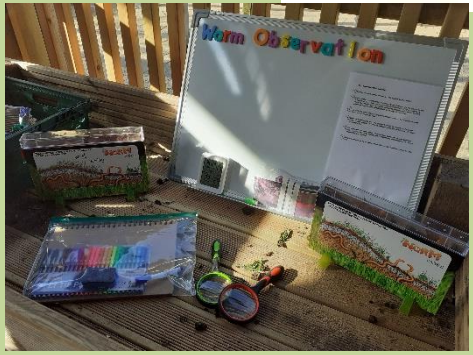
Pupils have experienced being part of a group with children that they may not normally work with and engaged with different resources.

Pupils have had the opportunity to work with a university scientist – who also is autistic, giving them a role model and sense of purpose.

Impact of Science Week through photographs

All departments had the opportunity to go to a session with Ana the soil scientist from The University of Nottingham.

Impact of Science Week through photographs



Pupil Voice

Child X from middle loved the insects and wanted to take them back to his classroom!

Class 9 – Learners struggle to access different activities but staff noted that the learners were able to access the sensory resources and bug hotel making station.

“Thank you for bringing in the worms – I enjoyed it!”

Frankie Class 3

Next Steps

1. Investigate further links with the Festival of science and other outside providers.

2. The sensory resources were popular in Primary and all children were able to access activities. Look into the curriculum and survey teachers across the school to ensure sensory resources are provided where needed to meet the needs of the learners.

3. Update Science display in the main school.