

## Science Curriculum Statement Autism Unit

We inspire our children to be curious about the world around them, encourage scientific minds and be proactive in their investigations, whilst gaining knowledge and understanding about their environment and how things work.

We create activities and experiences that are meaningful to them and show how they can effect situations and develop their skills and the impact they can have on their own lives and develop understanding and a thirst to know more.

Our science is embedded and taught through our half termly themes. The strands of science are covered and revisited throughout the thematic cycles as the child progresses through the 3 classes.

There is a progressive cycle for all the children throughout the three classes allowing the children to access science whatever age or ability.

The spiral that flows is fluid and children can access each point determined upon their ability.

- Engagement
- Exploration
- Observation
- Description
- Explanation
- Prediction
- Recording
- Analysing and further experimentation.

The underlying elements of learning for all areas on the spiral is language development.

### The strands we study are

Forces	Everyday materials	Seasons and weather	Our bodies	Animals	Life cycles	Electricity And magnetism	Our environment and water
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We introduce scientific activities through initially teaching cause and effect. This empowers the children to understand their actions create differences and generates a curiosity of how to make things happen again or change them.

We introduce our strands within the themes through questions, for example:

Forces: How do things move?

Materials: Which is the best material to use to stop the wolf blowing the house down?

Through careful planning each year we ensure that the approach and science area for the cohort of children we have is uniquely designed for that particular class. This ensures we address the particular needs of each child and enables them to learn within each science strand at the level they need and ultimately make the best progress they can in this area of learning.