



## Science in the Explore Pathway

Wilson Stuart School  
A Special Academy



### **Subject Rationale:**

A high-quality science curriculum providing the foundations for understanding the world around us. Students will participate in a fun and safe environment to help build up a body of key knowledge and concepts and are encouraged to see how this can be used to explain what they see and experience in everyday life.

Students will work on the working scientifically skills ladder and progress in five main skills:

1. Practical skills
2. Maths skills
3. Demonstrating Knowledge and understanding
4. Applying knowledge and understanding
5. Drawing conclusions

## Science in the 'Explore' Pathway

Intent	Implementation	Impact
<p>To develop knowledge and understanding of the world around them.</p> <ul style="list-style-type: none"> <li>• Encourage exploration and curiosity.</li> <li>• Help to develop fine and gross motor skills during practical sessions.</li> </ul>	<p>We will achieve our intentions by:</p> <ul style="list-style-type: none"> <li>• Following a Semi-Formal Curriculum which provides the framework for a holistic approach to learning.</li> <li>• Using a variety of themes and creative processes which encompass all aspects of education.</li> <li>• Students cover elements of science during 'My world and me' sessions.</li> <li>• Long-term 'spiral' topic mapping of science content (Biology, chemistry, and physics) with the opportunity to revisit prior learning as students' progress through the different key stages. These are clearly linked to appropriate SLD schemes of work: Follow Equals and Astra Zeneca.</li> </ul> <p>Students will work on the working scientifically skills ladder and will focus on:</p> <ul style="list-style-type: none"> <li>• Exploring and observing phenomena.</li> <li>• Taking part in practical sessions with support.</li> <li>• Comparing and recognising similarities and differences between objects.</li> <li>• Taking simple measurements with support.</li> <li>• Demonstrating basic knowledge &amp; understanding by selecting from appropriate choices.</li> </ul>	<p>The impact of the Explore Pathway provision is demonstrated through the development of pupils who are:</p> <ul style="list-style-type: none"> <li>• Successful learners, who enjoy learning, make progress, and achieve.</li> <li>• Positive individuals who grow in confidence, perseverance, and independence.</li> <li>• Happy students who are secure, healthy, and safe.</li> </ul>