

Curriculum Intent, Impact & Implementation – Science



Our curriculum has four golden threads which are woven through all we do.

3R's – Respect, Resilience and Responsibility

Within these threads we have our **22 core values** – *understanding, unity and co-operation, freedom, appreciation and simplicity, hope, resilience, responsibility, thoughtfulness, tolerance, trust, friendship, perseverance, patience, peace, quality, love, humility, honesty, caring, happiness and courage.*

<p><u>Knowledge and Skills Intent & Implementation =</u></p> <p>Our intention is to develop lifelong learners who have the skills, knowledge, and curiosity needed to take full advantage of every opportunity in life.</p>	<ul style="list-style-type: none"> ● Helps them with the bigger picture to give them skills and understanding to take them on their journey to next year and beyond. ● Helps them to understand common misconceptions ● Our Explorify talking points adds to their science capital and develops real life links with science.
<p>Impact – All children are ready for the next part of their life whether that be the next year at primary or ready for their move to secondary and beyond. They understand the importance of learning and value all opportunities.</p>	
<p><u>Values Intent & Implementation =</u></p> <p>Our intention is that all children recognise and maintain a shared set of values, which will allow them to make a positive difference to themselves and others in a rapidly changing world.</p>	<ul style="list-style-type: none"> ● ‘Science talk’ starters helps develop our values (unity, co-operation, friendship) ● Children have a ‘Curiosity’ approach and show resilience to keep trying to find an answer or a link. ● Our curiosity approach to working scientifically gives them the courage to have a go. They need to show perseverance to complete the process of question, enquire, plan and prove.
<p>Impact - All children have a core set of values which underpin every decision they make. They understand the importance of values and how these make us feel personally and how showing values allows children and young people to live positively in modern Britain.</p>	
<p><u>Language Intent & Implementation =</u></p> <p>Our intention is that all children will acquire the language to allow them to express their thoughts, ideas and learning in a clear and coherent manner.</p>	<ul style="list-style-type: none"> ● We model partner talk to ensure that children acquire the skills to articulate their thinking with quality answers. ● Children use quality stem sentences and generalised sentences to help ensure coherence in their reasoning. ● These stem sentences are transferable across the curriculum e.g. “If I know..., then I know...”
<p>Impact – All children have a language rich curriculum where they are encouraged to communicate effectively in full sentences. They are taught the skills to communicate efficiently within a vast range of situations and understand the need of listening attentively and responding appropriately to be a successful communicator.</p>	
<p><u>Inclusivity Intent & Implementation =</u></p> <p>Our intention is that no child is left behind. Every child, regardless of background, social, emotional, or educational need will achieve well and fulfil their potential.</p>	<ul style="list-style-type: none"> ● Our ‘Developing Experts’ lesson structure reduces cognitive load and focuses on the new learning. ● Small manageable steps means no child is left behind. ● Common lesson structure, slides and challenges means that if everything else is the same, the learning is the thing that is different. ● Pre teaching, Explorify, bridging back sessions and the sequencing of each year / school progression ensures no child is left behind.
<p>Impact – All children feel valued and consider themselves as equal while also developing a good understanding of the difference between equity and equality. Diversity is celebrated. Children are supported to show resilience and are proud of their achievements whatever their starting points.</p>	

The Foundation Stage

The teaching and implementation of science is based on the programmes of study set out in the 'Understanding the world' section of the Early Years Foundation Stage Curriculum. We measure the impact of science at Haydon Wick by talking with the children and listening to their conversations with each other about the subject

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