



## Curriculum Intent: Walking Tall in Science

<b><u>We will ensure that all children are able to achieve in their education.</u></b>	<b><u>We will raise aspirations and maintain and ambitious culture.</u></b>	<b><u>We will work in a positive, collaborative way with all stakeholders.</u></b>
<b><u>Achievement</u></b>	<b><u>Ambition</u></b>	<b><u>Collaboration</u></b>
<p><u>How do we ensure that all children are able to achieve in Science?</u></p> <p>Science at Richardson Dees is practical, stimulating and exciting. We encourage our children to be curious and explore the scientific world around them highlighting our ‘everybody can approach’.</p> <p>Staff at Richardson Dees have a shared understanding of the importance and value of science. We value education as a continuing journey, from EYFS through to upper Key Stage 2.</p> <p>Our children develop a variety of skills to carry out investigations as well as explore their own ideas.</p> <p>We encourage responsible learners who are not only taught how to plan and carry out investigations, but also how to collate and present results, as well as look for patterns and explain the reasoning behind these.</p> <p>Through our curriculum we ensure that our science is relatable and relevant for our children, weaving in opportunities for children to work in the local area. These include EYFS exploring science in our school grounds, moving through the school where we branch out into our surrounding areas with KS1 and KS2 exploring local parks and woodland which are further afield such as Plessy Woods and Kielder Forest.</p>	<p><u>How do we raise aspirations and maintain an ambitious culture in Science?</u></p> <p>High quality science education provides the foundations for understanding the world around us.</p> <p>Science has changed our lives and we feel it is key that all pupils become independent and resilient learners who have a clear understanding that mistakes help us to further our knowledge and skills.</p> <p>We build a foundational knowledge which encourages our pupils to have a sense of excitement and curiosity about the natural phenomena that surrounds us.</p> <p>We aim to inspire courageous learners who are keen to question, discuss and investigate. This enables us to avoid and challenge stereotypes within the scientific community, breaking down barriers.</p> <p>Our high expectations encourage children to understand how science can be used to explain what is occurring, predict how things will behave and consider and analyse causes. At Richardson Dees we like to build upon our children’s talents and interests enabling their natural enthusiasm to shine through.</p>	<p><u>How do children work in a positive, collaborative way in Science?</u></p> <p>At Richardson Dees we love to make our science fun, intriguing and engaging. This goes hand in hand with our collaborative learning approach.</p> <p>Science lessons provide the children with a multitude of opportunities to work as a team, through practical investigations, carrying out research and taking part in scientific discussions.</p> <p>Our collaborative approach encourages the children to thrive within their learning as well as giving us the opportunity to celebrate differences and individual’s points of view in a safe and supportive environment.</p> <p>We continually seek out opportunities for related learning through trips and visits and again encourage our collaborative approach to our learning. These events also enable children to develop their communication skills, providing children with the opportunity to have important conversations with people working in scientific industries.</p>