Brunswick Park Primary School

| Intent, Implementation and Impact Statement - Science | | |
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| **Intent** | | |
| **Learning for Living**:<br>Because we live in an increasingly scientific and technological world, we want our children to acquire the knowledge, skills, and attitudes to prepare them for life in the 21st century. Science inspires and enhances children's curiosity about the world around them. Through Science, our aim is for our children to understand how major scientific ideas contribute to technology, thus impacting on current businesses, medicines and improving quality of life. | **Respect**:<br>Science is taught to the whole class.<br>Children learn about scientists from different backgrounds and are taught that anyone can become a scientist, including Brunswick Park's children. Children participate in several investigations and experiments each year, where they must work collaboratively to successfully complete the experiment or investigation. | **Support and Challenge:**<br>Children who do not quickly grasp scientific concepts and vocabulary work in a small group with adult support. When necessary, pre -teaching of the relevant scientific vocabulary takes place prior to science lessons. Our intent is that every child is able to participate and enjoy fun, engaging science lessons. Children who are confident in science lessons are frequently given challenges to extend and deepen their scientific knowledge. |
| **Implementation**<br>We implement the Science curriculum through carefully planned, weekly science lesson. Teaching is expected to be well-paced and encourage participation from all pupils. Teachers are expected to regularly refresh their skills to ensure practice remains good. | | |
| **EYFS:**<br>In EYFS, children are given plenty of opportunity to explore their interests, build on skills, and enjoy a variety of learning to develop their understanding of the world. They engage in a range of adult-led and child-initiated activities, involving exploring the world around them | **KS1**<br>In KS1, children have a 1-hour science lesson each week. At the start of each science lesson, children are introduced to the scientific vocabulary that is needed for the lesson and are encouraged to use this vocabulary throughout their lesson. In science lessons, children will regularly be given the opportunity to observe and record results and findings in a variety of ways. Children are regularly encouraged to ask and answer scientific questions regularly during science lessons. | **KS2**<br>In KS2, children have a 1-hour science lessons each week. At the start of science lessons, children are introduced to the relevant scientific vocabulary, and are expected to use the vocabulary throughout their lesson. Children are regularly given the opportunity to plan and conduct fun, engaging investigations. Before conducting investigations, children make predictions and justify them. Children are encouraged to ask and answer scientific questions regularly during science lessons. |
| **Impact**<br>Science is assessed at the end of each topic. Teachers are continually assessing children's progress through participation in lessons and marking science work. The assessments are used to inform teachers of any gaps in learning, which can be addressed before moving on to the next topic. | | |
| **EYFS**<br>In Nursery and Reception staff observe children's participation and monitor how well they engage in provision linked to their knowledge and understanding of the world. This is recorded on Tapestry, an online platform which can be shared with parents. Practitioners use the data to plan future provision. Science is taught through the ELGs People, Culture and Communities and The Natural World. Although attainment in these ELGs is recorded, it does not form part of the GLD judgement which is reported to the Local Authority. Children's attainment and progress in these areas is reported to parents at the end of the year. | **KS1**<br>Children's work is marked at the end of each science lesson. At the start of their next lesson, children are given the opportunity to look over their marked work and correct any misconceptions. Science is assessed and data is recorded at the end of every half term. The data allows teachers to identify any gaps in children's learning for that half term and implement any necessary support.<br>Attainment and progress in science are reported to parents at the end of the year. | **KS2**<br>Science is assessed and data is recorded at the end of every half term. The data allows teachers to identify any gaps in children's learning for that half term and implement the necessary support.<br>Children's work is marked at the end of each science lesson. At the start of their next lesson, children are given the opportunity to look over their marked work and correct any misconceptions. Attainment and progress in science are reported to parents at the end of the year. |