

Science Curriculum Statement

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| **INTENT** |
| **Rationale:**  At Buglawton we believe that all children can achieve in Science. We do not put ceilings on what children can achieve and we do not hold pre-conceptions about any child’s ability to make progress.  We believe through learning Science, children will become enquiry based learners and develop curiosity about natural phenomena, a sense of excitement, predict and analyse.  **Ambition:**  Our intent is to:   * Build a Science curriculum which develops learning and results in the acquisition of knowledge and builds on previous learning. * To build a Science curriculum which, enables children to become enquiry based learners. * Teach Science in a thematic and enjoyable way, alongside other areas of the curriculum * Children predict, investigate and analyse * Encourage children to showcase their scientific, investigative and enquiry skills. |
| **IMPLEMENTATION** |
| * Clear and comprehensive scheme of work in line with the National Curriculum. * A scheme of work that focuses on progressive and enquiry skills and knowledge in the specific disciplines of biology, chemistry and physics. * Planned opportunities to learn Science within a wider context alongside other curriculum subjects. * Take time to develop the progression of enquiry skills, predicting, investigating and analysing. * Opportunity for staff to network with other colleagues through The Ogden Trust and Congleton Partnership * Extra curricular opportunities to participate in Science. * Children will be taught Biology, Chemistry, Physics and enquiry skills in a progressive way, year on year. * Opportunity for children to work independently and collaboratively. * Learn and use specific and relevant vocabulary. |
| **IMPACT** |
| * We are aspirational for all children, therefore we aim for all children to achieve age related expectations at their end of each academic year. * Staff will analyse through formative and summative assessments. They will use Headstart assessments at the end of autumn, spring and summer and use DC Pro termly to show children’s progression. * Children will retain and build on knowledge that is pertinent to Science with a real life context. * Children will be able to question ideas and reflect on knowledge. * Children will work collaboratively and practically to investigate and experiment. * Children will be able to explain the process they have taken and be able to reason scientifically. * Children will use and understand Science specific vocabulary. |