



Science Curriculum Statement

Introduction	<ul style="list-style-type: none"> • At Sandhills we want every child to be involved within Science. • Throughout their education we want children to come up with their own investigation and to carry them out. Within this children will build on the investigation process (results, conclusion, prediction etc.). • By being involved within Science, we expect children to use scientific language to help with their explanations. • From Foundation to Year 6 we want children to gain knowledge in a range of scientific subjects (living things, animals, materials, electricity, etc.) and show progression in these. • We expect that all of the above will enable the children to use Science in the wider world.
Aims	<p>The national curriculum for Science aims to ensure that all pupils:</p> <ul style="list-style-type: none"> • Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics • Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them • Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.
Coverage and Progression	<p>Key Stage 1 pupils should be taught about:</p> <ul style="list-style-type: none"> • Working scientifically • Plants • Animals, including humans • Everyday materials • Seasonal changes • Living things and their habitats • Uses of everyday materials <p>Lower Key Stage 2 pupils should be taught about:</p> <ul style="list-style-type: none"> • Working scientifically • Plants • Animals, including humans • Rocks • Light • Forces and magnets • Living things and their habitats • States of matter • Sound • Electricity <p>Upper Key Stage 2 pupils should be taught about:</p> <ul style="list-style-type: none"> • Working scientifically • Living things and their habitats • Animals, including humans • Properties and changes of materials • Earth and space • Forces

	<ul style="list-style-type: none"> • Evolution and inheritance • Light • electricity <ul style="list-style-type: none"> • The detail of the EYFS Curriculum (Understanding the World) and the National Curriculum for Science (Working Scientifically, Everyday materials, Sound, Electricity, Light, Animals including Humans, Evolution and Inheritance, Seasonal Changes, Plants) can be found in the relevant documents on the school's website
Skills and Attitudes	<p>At Sandhills we believe that Scientific learning takes place when:</p> <ul style="list-style-type: none"> • Progression through the Scientific subjects is clear • Children are using the planning format for investigations • Science is linked into the real world • There are a range of investigations within the classrooms • Scientific vocab is displayed with a definition and/or picture (depending on the year group) • Working Scientifically posters are displayed and used within the classroom • Children are using scientific resources/equipment
Records and Assessment	<ul style="list-style-type: none"> • The tracking tool 'Target Tracker' is used to record pupils' attainment against their age appropriate objectives; teachers then use this information to plan the 'next steps' of their learning. • Statutory data for pupils' achievement in science is submitted at the end of Year 2 and the end of Year 6. <p>We would also expect to see the use of:</p> <ul style="list-style-type: none"> • Scientific language within books and through verbal conversations • Children using the Scientific language to explain their scientific knowledge • The investigation planning format within the classroom/books • Children planning and carrying out investigations
Inclusion	<ul style="list-style-type: none"> • We are committed to Inclusion • We aim to identify, understand and overcome barriers to participation and belonging • We provide equal opportunities for all learners regardless of age, gender, ethnicity, impairment, medical concerns, attainment or background.
Safety	<ul style="list-style-type: none"> • All activities will take place with due regard to the health and safety of all participants. • Risk Assessments (where necessary) are maintained and appropriate equipment is regularly checked.
Review	<ul style="list-style-type: none"> • This curriculum statement will be reviewed regularly by the subject leader.