**Science Intent**

At John Perry, we strive to create scientists from Early Years up, and to provide our pupils with practical as well as methodological skills to be used throughout their lives up to adulthood. We want our pupils to foster a healthy curiosity and develop and in-depth understanding of their local area and the world we live in. All children are encouraged to **develop and use a range of skills** including**observations, planning**and**investigations,** as well as being encouraged to question the world around them and become**independent learners**in exploring possible answers for their scientific based questions.

Our Science curriculum has been developed to ensure full coverage of the National Curriculum and to adopt a sense of wonder about natural phenomena. We are committed to providing a stimulating, engaging and challenging learning environment where our pupils feel inspired not only to answer but to ask scientific questions. We want our children to have a broad vocabulary. Scientific language is taught and built upon as topics are revisited in different year groups and across key stages. We want our pupils to take charge of their own learning and communicate their ideas effectively, in order to lead them to a vocation of their choosing in later life. Science teaching at John Perry is practical, engaging and purposeful, ensuring all can be included.

**Science Links**

1. <https://wowscience.co.uk/> - videos, online games, apps and much more all related to science topics being covered in school.
2. <https://science.howstuffworks.com/> - a great resource with articles on how almost anything works, from planes to tornadoes.
3. <https://pstt.org.uk/resources/curriculum-materials/Science-Fun-at-Home> - fun science activities that can be completed from home.
4. <https://www.theschoolrun.com/science> - science topics and terminology explained, complete with investigations and videos that could be used at home.

**National Curriculum Links**

Please find a link containing all the information about the programme of study your child will undertake in each year group. In some cases, you may have to scroll down to find a certain year group, or you can use the interactive menu on the left of the page:

**Key Stage 1 – Years 1 and 2**

<https://www.gov.uk/government/publications/national-curriculum-in-england-science-programmes-of-study/national-curriculum-in-england-science-programmes-of-study#key-stage-1>

**Lower Key Stage 2 – Years 3 and 4**

<https://www.gov.uk/government/publications/national-curriculum-in-england-science-programmes-of-study/national-curriculum-in-england-science-programmes-of-study#lower-key-stage-2--years-3-and-4>

**Upper Key Stage 2 – Years 5 and 6**

<https://www.gov.uk/government/publications/national-curriculum-in-england-science-programmes-of-study/national-curriculum-in-england-science-programmes-of-study#upper-key-stage-2-programme-of-study>

**Progression of Skills**

Children will build on and develop their scientific skills as they move through primary school. All the skills they are taught and provided with will be the same in every year group, but with every new topic and investigation they complete, they will acquire a deeper understanding of the sub-knowledge within each skill they are being taught, thus be able to use it more independently.

Document pending…