

# Science

Learning at Highfield Littleport Academy



**HIGHFIELD LITTLEPORT ACADEMY**  
*An Active Learning Trust School*

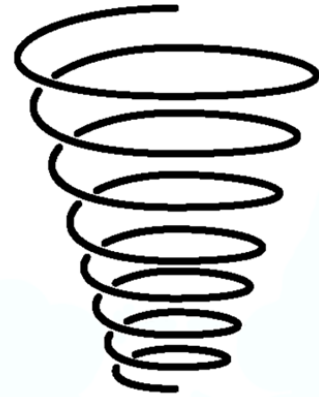
# What do we want to achieve?

- Encourage and develop interest, enjoyment and enthusiasm in science.
- Relate science to everyday life through the use of everyday materials and situations.
- Develop teamwork, thinking skills and resilience.
- Develop an enquiring mind and a scientific approach to problem solving.
- Apply learned skills and knowledge to new situations.
- Use equipment and techniques safely and effectively
- Develop literacy, numeracy and ICT skills in a scientific context.



# How do we achieve our aims?

- Curriculum builds knowledge over time. Topics are revisited and built on over learners time with us. We call this a ‘spiral curriculum’.
- **Yellow Pathway**- Maintaining interest and building on prior knowledge and skills, applying this to new situations
- **Green Pathway** - Acquiring knowledge with real life experiences, linked to themes
- **Blue Pathway** - individualised building upon pupils next steps, with the main focus on EHCP outcomes. Exploring the environment, using senses, observing in Attention Autism
- **EYFS** - Developmental progression incorporating next steps. Exploring the world around them, observing cause and effect, growth & change, the effect of forces.



# How do we know it has made a difference?

- We can see learners achieving science milestones and scientific skills next steps on Evidence for Learning. If learners are not progressing as expected, we put individual plans are put in place
- The varied and exciting Science curriculum means that learners will develop the skills and knowledge to progress from their starting points, and within their everyday lives.
- Learners will have a variety of skills linked to both scientific knowledge and understanding and scientific enquiry. They will develop a richer vocabulary, and be able to explain their understanding. They will have high aspirations, which will see them through to further study, work and a successful adult life.
- Learners will be able to use equipment and come up with scientifically accurate ideas and explanations using what they know. They will be able to apply what they know to real life situations.



# Learning Values



Our school learning values are life skills which are embedded within our curriculum and developed through each key stage.

**Independence** - using equipment without adult help.

**Teamwork** - accepting input from others.

**Thinking** - using what I know to suggest what happens next.

**Creativity** - finding new ways to test my ideas.

**Resilience** - not giving up when experiments don't work.