

Science Curriculum at Glapton Academy

Science- Subject Leader

Mr Payne



Qualifications:

BSc in Sport and Exercise Science
Qualified Teacher Status (QTP)

Roles:

EYFS and Year 1 class teacher
Science and RSE Lead

Science- Subject Vision

At The Glapton Academy we will develop our children's scientific knowledge and conceptual understanding through the specific disciplines of biology, physics and chemistry. They will be equipped with the scientific knowledge required to understand the uses and implications of science today and in the future.

Our children need scientific experiences to help develop their science capital and make becoming a scientist a possibility and an aspiration regardless of ethnic origin, gender, class or disability.

Science- Subject Aims

Our aim is to continuously develop our scientific curriculum to encourage and enable our students to develop enquiring minds and curiosity about science and nature. To develop the skills of scientific inquiry to support, design and carry out scientific investigations and evaluate scientific evidence to draw conclusions, to communicate scientific ideas, arguments, and practical experiences accurately in a variety of ways.

Science- Subject Design

The impact of our curriculum design is to ensure children not only acquire the appropriate age related knowledge linked to the science curriculum, but also skills which equip them to progress from their starting points, and within their everyday lives. Teachers will make continuous assessments against the LEAPs to support children's learning and ensure there are no gaps.

All children will have/be:

- Prepared for life in an increasingly scientific and technological world today and in the future.
- A wider variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills.
- Built up our children's natural curiosity and developed their skills to ask questions and to use a scientific approach to discuss and answer problems.
- Confident and have the ability to work with an open-mind, to self-assess, have perseverance and develop the skills of an investigation - including: observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating.
- A richer vocabulary which will enable them to articulate their understanding of taught concepts.
- High aspirations, which will see them through to further study, work and a successful adult life.