

SCIENCE

Science at Greenmount is taught in block weeks in Years 1-6. This is so the children can become immersed in being “Scientists” and build on knowledge learnt the previous day/s rather than weeks. The curriculum is carefully planned so that the children progress their scientific knowledge, vocabulary and skills year on year. Our focus in science is to teach with an emphasis on working scientifically and build on these skills throughout Key Stages 1 and 2. Our school also wants our children to be excited about science and so plans engaging and memorable visits, investigations and trips. We also investigate famous scientists every year, observe worldwide science events and make regular links to our everyday lives so our children can understand how science has shaped our history and will continue to develop our future.

We follow an ENQUIRY curriculum. We start at BASECAMP in each topic. We gather information about what the children already know and then asking scientific questions about what they want to find out, we look through the “Leeds library Service” to gather knowledge and we use Now Press Play to make the learning come alive.

The series of enquiry lessons focus on answering a question linked to the National Curriculum. Children will use an enquiry skill to answer the question. Each lessons builds and revisits prior knowledge until we reach the SUMMIT POINT. The children will now demonstrate what they have learnt throughout the topic.

Comparative / fair testing

Changing one variable to see its effect on another, whilst keeping all others the same.

Research

Using secondary sources of information to answer scientific questions.

Observation over time

Observing changes that occur over a period of time ranging from minutes to months.

Pattern-seeking

Identifying patterns and looking for relationships in enquiries where variables are difficult to control.

Identifying, grouping and classifying

Making observations to name, sort and organise items.

DTECS on a page!

(DT, Engineering, Computing & Science)

Engineering skills are taught through; STEM week, Science week, visitors, clubs.

Design Technology

Design technology is taught in a block weeks. Children will solve real and relevant problems in a variety of contexts – designing and making Something for Somebody for Some Purpose.

The sequence of lessons are: RESEARCH AND EVALUATE an existing product, practice using the SKILLS needed to make the product, DESIGN your own product, MAKE your own product, EVALUATE your product.

Greenmount has just been fitted with a brand new pupil kitchen so children have a great space to design and make a range of healthy foods during their DT lessons. We also have whole school design weeks eg, making a Christmas bauble for the Christmas tree!

Computing

Computing is taught weekly. We follow the PURPLE MASH Computing scheme of work. Which ensures children learn the three areas of computing:

Computer Science: how computers work

Information Technology: making and viewing content

Digital Literacy: using computers and the internet safely.

Children learn: Coding, Spreadsheets, online safety, presenting and 3D modelling.

We are well resourced at Greenmount with each year group having 15 I pads, class sets of laptops and also Government funded laptops to help families in the community that need it.