SCIENCE & TECHNOLOGY (STEM)

Our Vision for STEM

We encourage children to be inquisitive throughout their time at the school and beyond. The Science curriculum fosters a healthy curiosity in children about our universe and promotes respect for the living and non-living things. We believe science encompasses the acquisition of knowledge, concepts, skills and positive attitudes.

What do our children think?

I like Science because we get to collect, explore and examine.

Year 5

I love doing science because I learn things I never knew before.

Year 2

I love exploring in the woods. We find bugs and insects.

Year 1

It is good because I can learn about animals.

Year 3

It is one of my favourite subjects because you get to do experiments

National Curriculum Science

Sustainable Goals

Deep Learning

Citizenship, Character

Communication. Collaboration

Creativity, Critical Thinking

Opportunities to Celebrate STEM

Children are offered a wide range of extra-curricular activities, visits, trips and visitors to complement and broaden the curriculum. These are purposeful and link with the knowledge being taught in class.

We have contacts in the wider community and within the wider military network that we use to enrich our science learning through offering events such as STEM workshops with Engineering experts from the Royal Engineers.

We celebrate World Science week each year by showcasing all the wonderful Science work that happens in our school.

What does STEM look like at AFNORTH?

Throughout the programmes of study, the children will acquire and develop the key knowledge that has been identified within each unit and across each year group, as well as the application of STEM skills.

We ensure that the skills learnt within Working Scientifically are built-on and developed throughout children's time at the school so that they can apply their knowledge of science when using equipment, conducting experiments, building arguments and explaining concepts confidently and continue to ask questions and be curious about their surroundings.

BIG IDEA 1 Being curious and searching for answers helps further our understanding about the natural world and helps society progress.
BIG IDEA 2 Design thinking and engineering are technical and creative endeavours intended to meet society's needs and wants.
BIG IDEA 3 The world around us is full of living things which depend on each other for survival.
BIG IDEA 4 Understanding the atomic nature of matter and how it shapes the world.
BIG IDEA 5 Forces and energy determine the structure and dynamics of the Universe.
BIG IDEA 6 Computation applies algorithms to data in order to solve real-world problems.