



Careers Education within the Science curriculum

Pupils study careers where Science is quite prominent; Engineer, Physics, Medicine.

KS4- Year 9 onwards. Biology covers a range of topics that make links to careers in Medicine, NHS, Nursing etc. –

B1: Organisation, Infection and Response. B2: Homeostasis, Genetics- examples of career links in Biology to Medicine/NHS work

C1: Quantitative chemistry – useful for career in Pharmacy.

P2: Waves- students study x-rays and medicine, ultrasound, correcting vision with lenses.

Pupils study career based Science – Functional skills such as:

Electrician- Year 7 Electricity, Year 9 P1: Electricity

Hairdresser/colourist- C2: Chemical analysis

Nutritionist : B1: Organisation

Sports coach: B1: Bioenergetics

Pupils look at occupational Science – EG they might need to take on the role of a researcher, analyst,

Year 9 Physics P1: Energy topic looks at renewable energy sources for the future

Year 10 Chemistry C2: Chemical analysis looks at analysing different ions and salts in a compound

Pupils are taught the importance of Science in everyday life? How useful it is in all careers, life, etc

Pupils study the work of scientists in every year at school. This involves looking at areas of research of famous scientists such as:

Year 7- Sir Isaac Newton

Year 8-

Year 9- Edward Jenner, Alexander Flemming



Year 10- James Prescott Joule, Robert Hooke, Henry Louis Le Chatelier, Marie Curie

Year 11- Sir Isaac Newton, Gregor Mendel

In addition:

- ✓ Literature on the boards about careers in Science ,why study Science, etc (I've printed off some for a display)
- ✓ Visiting speakers – BAE Science / STEM Roadshow every Autumn term for Year 7 & 8. Highlighting a range of careers within STEM.
- ✓ Groups of pupils interested in medical careers are taken on visits to NHS Hospitals, Colleges to look at careers in detail, speak with representatives of various medical careers (Year9 & 10)
- ✓ Help contribute to careers fair – University course information, NHS, Veterinary Sciences
- ✓ Science club
- ✓ Links with Post 16 providers. Master classes put on with 6th Form College tutors for high achieving Science pupils
- ✓ Science Department has good links with local NHS Trust, 6th Form Colleges
- ✓ Regular STEM activities organised for Year groups in school (Year 9)
- ✓ Groups of pupils entered into competitions at local colleges; Engineering, STEM, etc
- ✓ Groups of pupils visit science businesses to experience a science based work environment and have an opportunity to speak with representatives from science based careers.