



THE INDEPENDENT GRAMMAR SCHOOL: DURHAM

Science Curriculum Overview

Whole School Curriculum Map (Years 1–6)

Year Group	Michaelmas 1	Michaelmas 2	Lent 1	Lent 2	Trinity 1	Trinity 2
Year 1	The human body - senses	Magnetism	Seasons and weather	Plants and plant growth	Animals and their needs	Taking care of the Earth
Year 2	The human body - balanced diet, hygiene and exercise	Astronomy and the Earth	Matter - solids, liquids, gases Electricity	Animal classification and living things	Habitats and living oceans	Environment protection
Year 3	Astronomy	Animal classification and insects	Volcanoes	Earthquakes	Rocks and Fossils	Cells and Tissues
Year 4	States of Matter and properties of matter	Light & Vision Sound & Hearing	Skeletal system Nervous system	Simple machines Magnets	Life cycles	Water cycles
Year 5	The human body: circulatory and respiratory	Forces	Properties of Matter	Electricity	Living things and habitats	Earth and Space
Year 6	Classification	Cell structures and processes	Chemistry: matter and change	Plant structures and processes	The human body: hormones & reproduction	Meteorology

Curriculum Intent

- At The Independent Grammar School: Durham, our science curriculum is designed to:
- Develop pupils' natural curiosity about the world around them
 - Build scientific knowledge and understanding of key concepts
 - Develop enquiry skills, including observing, predicting, experimenting and evaluating
 - Encourage pupils to think critically and solve problems
 - Foster an understanding of how science impacts on our everyday lives and the wider world
 - Follow a coherent, progressive sequence of knowledge and skills

Implementation

- Science is taught through high-quality, engaging lessons
- Topics are taught in a coherent sequence across the year
- Lessons develop scientific knowledge, vocabulary and enquiry skills
- Pupils use practical investigations, discussion and a range of resources to deepen their understanding
- Regular retrieval practice and assessment support long-term retention

Impact

- Pupils will:**
- Know more and remember more about the natural world
 - Understand key scientific concepts and vocabulary
 - Be able to plan, carry out and evaluate scientific enquiries
 - Think critically and apply their knowledge to real-life situations
 - Develop a lasting curiosity about science
 - Be well-prepared for the next stage of their education



Science helps children make sense of the world, ask big questions and develop the curiosity to shape a brighter future.