

Careers links Lab technician, doctor, physiotherapist, dietician, geneticist Geologist, pharmacist, agricultural engineer, product designer, construction Civil engineer, astronaut, heating and insulation technician, optician, audio-visual technician

Year 8 Science Learning Journey

În year 9:

- Reactivity Cell transport Using resources
- Respiratory system
 - Inheritance
- Photosynthesis
- Periodic table
- Energy calculations
- Forces and motion

Electromagnetism

What Next?

By the end of Year 8

- Demonstrate accurate knowledge and understanding of key scientific ideas and apply these correctly to familiar contexts, using accurate scientific terminology.
- Select, plan, and carry out the most appropriate types of scientific enquiries to test predictions.
- Decide how to record data of increasing complexity
- Interpret observations and data, including identifying patterns and using

observations, measurements, and data to draw conclusions. **Assessment 3 B4 Light: reflection** Summer & refraction **Term** Adaptation to The rock cycle Variation and environment inheritance Forces & **Assessment 2 Properties of** elasticity metals Separation techniques Thermal energy **Spring** transfer **Term Electricity & Food and digestion** magnetism Assessment 1 **Autumn Term** Atoms, Elements and Compounds Working scientifically Cells

At the beginning of Year 8

- Identify hazards in scientific investigations
- Recognise independent, dependant and control variables
- Describe trends in results using supporting evidence
- Use appropriate tier 3 vocabulary to describe scientific processes
- Use scientific knowledge, understanding and experiences to provide simple explanations for scientific phenomena



