YEAR 11 CHEMISTRY LEARNING JOURNEY



Understanding and Applying Scientific Skills

Year 7

Year 11

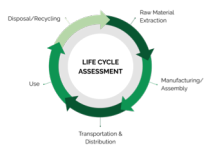
- Understanding variables
- Writing methods
- Assessing impact of scientific concepts
- Drawing conclusions
- Applying maths to the scientific concepts
- Describe patterns
- Evaluation of scientific concepts
- Drawing graphs and analysing graphical data
- Analysis of secondary data
- Modelling scientific concepts
- Understanding relationships between science and society
- IDEAL Identify, describe, explain, apply, link
- Risk Assessment
- Evaluating data and investigations

Final GCSE exams and Post-16 Transition



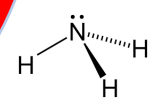
Revision







- Metal extraction
- `Reducing use of resources
- Life Cycle Assessment and recycling
- Corrosion and its prevention - triple
- polymers- triple



Using Resources

- Using Earth's resources
- Potable water
- Haber process - triple
- Fertilisers- triple
- alloys- triple













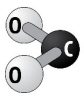
- Pollutants
- Climate Change
- Composition of the Atmosphere



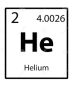
Chemistry of the atmosphere

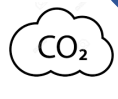
YEAR 11

- Early Atmosphere
- Carbon dioxide methane and greenhouse gases









CROSS-CURRICULAR LINKS

Movement	Biology	Isotopes	Physics
Calculating mass	Mathematics	Balancing equations	Biology
The Earth	Geography	Climate change	Biology
Atomic models	Physics	Materials	Art & Design