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| **What will we be learning?**  **C10 Using the Earths Resources** | **Why this? Why now?**  **Previous learning**  Chemistry of the atmosphere  **What other GCSE Science units does this unit relate to?**  Chemistry – Bonding and structure, energy changes, chemistry of the atmosphere  Biology – earths resources and ecology  Physics – energy | **Key Words:**  Metal  Reactivity series  Oxidation  Reduction  Sustainable  Renewable  Finite  Potable  Chlorination  Fluoride  Reduce  Reuse  Recycle  Life Cycle Assessment |
| **What will we learn?**   * Using the Earths resources and obtaining potable water * Life cycle assessments and recycling   **Required practical for this topic**  Analysis and purification of water samples from different sources, including pH, dissolved solids and distillation.  **Misconceptions in this topic**  Difference between potable water, ground water, fresh water and waste water  Use of information from life cycle assessments | |
| **What opportunities are there for wider study?**  **If you are interested in this unit, what careers does it relate to?**  Flavourist Toxicologist Sustainability Chemist  Sports Science Solar Lab technician Teacher  Household Substance Chemist Consumer Product Chemist  **Collins Revision guide relevant pages for this unit:**  Foundation – p146-177  Higher – p146-177 | |
| **How will I be assessed?**  End of topic assessment | |