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| **What will we be learning?**  Separating Mixtures  C:\Users\schapman\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\2747FFC3.tmp | **Why this? Why now?**  Previous Learning  Particle Model  Future Learning  GCSE Chemistry – Atomic structure, Chemical Analysis  Enquiry Processes  Collect data, Devise questions, Test hypothesis, Estimate Risk | **Key Words:**  Solvent  Solute  Soluble  Insoluble  Solution  Pure Substance  Mixture  Filtration  Distillation  Evaporation  Chromatography |
| **What will we learn?**   * The difference between pure substances and mixtures * How to separate mixtures based on physical properties * Explaining, using the particle model, how substances dissolve * How to produce, draw and analyse c solubility curve * How chromatography works to identify unknown substances   **Misconceptions in this topic**   * The mass of gases * ‘Thick’ liquids and density * Mass and volume being the same thing * Expansion happens because of the particle spacing not the particle size | |
| **What opportunities are there for wider study?**  Careers  Analytical Chemist Forensic Scientist Make-up Production  STE(A)M  https://highcliffe.sharepoint.com/sites/LearnSTEM | |
| **How will I be assessed?**  End of topic assessment | |