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| **Scheme of Learning** |
| **Subject** | Physics | **Key stage** | 5 | **Topic** | Latent Heat | **Unit** | 5.19 |
| **Big Picture** | **From where?** | **Learning Objectives** | **Resources** |
| Students have learnt about internal energy changes and the specific heat capacity | **To define latent heat and measure the melting point for a substance** | Salol in tubesBeakersThermometers |
| **To where?** | **Levelled Success Outcomes** | **Use of TAs/Other adults** |
| Measuring the latent heat of fusion and  | **K –** state the definition of the term latent heat**B –** carry out an experiment to measure the melting point of salol**A –** evaluate the experiment and identify sources of error |  |
| **Learning Hook/WOW** | **Key Vocabulary** | **Homework** |
|  | Heat, temperature, latent heat |  |
| **Lesson**  | **Outline Plan** | **Key(K)** | **Booster (B)** | **Aspire (A)** |
| **Starter:** | On slide 1 – calculation on work from previous lesson. |  |  |  |
| **Activity**ModelConstruct Meaning | Define the term latent heat and explain to students how they can measure this |  |  |  |
| **Apply:**(knowledge and skills learnt.) | Students carry out experiment and plot graph of their data. They can use this to find the melting point – this is the place where the graph goes flat. |  |  | Students can explain why it goes flat here in terms of making bonds |
| **Review:** | On slide – students evaluate their experiment. | Qualitative analysis only | Some attempt at quantitative analysis | Thorough quantitative analysis of experiment. |
| **Subject****Generic Skills****SMSC** |  |  |  |  |
| **Key Questions** |  |  |  |  |
| **Assessment** |  |  |  |  |