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| **Scheme of Learning** |
| **Subject** | Physics | **Key stage** | 5 | **Topic** | Experimental Gas laws | **Unit** | 5.21 |
| **Big Picture** | **From where?** | **Learning Objectives** | **Resources** |
| Students have learnt about internal energy changes and the specific heat capacity. They have also calculated latent heat. | Gas laws as experimental relationships between *p*, *V*, *T* and mass.Concept of absolute zero of temperature. |  |
| **To where?** | **Levelled Success Outcomes** | **Use of TAs/Other adults** |
| Ideal gas equation | **K –** to state the three experimental gas laws and the relationships that derive from them**B –** to describe the experiments and the consequences of the results**A –** to use the gas laws to calculate unknown quantities |  |
| **Learning Hook/WOW** | **Key Vocabulary** | **Homework** |
|  | Pressure, volume, temperature, absolute zero |  |
| **Lesson**  | **Outline Plan** | **Key(K)** | **Booster (B)** | **Aspire (A)** |
| **Starter:** |  |  |  |  |
| **Activity**ModelConstruct Meaning |  |  |  |  |
| **Apply:**(knowledge and skills learnt.) |  |  |  |  |
| **Review:** |  |  |  |  |
| **Subject****Generic Skills****SMSC** |  |  |  |  |
| **Key Questions** |  |  |  |  |
| **Assessment** |  |  |  |  |