CiE iGCSE Physics 0625 Learning Plan

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| **Section 13: Simple Kinetic Molecular Model of Matter – 2** | | |
| Specification | Resources | Assessment |
| **Core**  • Describe evaporation in terms of the escape of more-energetic molecules from the surface of a liquid  • Relate evaporation to the consequent cooling of the liquid  • Describe qualitatively, in terms of molecules, the effect on the pressure of a gas of: – a change of temperature at constant volume – a change of volume at constant temperature  **Supplement**  • Demonstrate an understanding of how temperature, surface area and draught over a surface influence evaporation  • Explain the cooling of a body in contact with an evaporating liquid  • Recall and use the equation pV = constant for a fixed mass of gas at constant temperature | Video: Section 2 – Lesson 13 – Simple kinetic molecular model of matter (Part 2)  Powerpoint: Physics 13 – Simple Kinetic Molecular Model of Matter - 2  Textbook  Pages 70 – 71 Section 3.09 Gas pressure and volume  Pages 106-107 Section 5.05 Heating gases  Pages 114-115 Section 5.09 Liquids and vapours  Section 13 Checklist.doc | Textbook  Page 71 Qs 1 to 3  Answers Page 327  Page 107 Qs 1 to 4  Answers Page 328  Page 115 Qs 1 to 6  Talking Paper – Section 13 –Simple Kinetic Molecular Model of Matter - 2  Exam Question Section 13 - pdf  Exam Question Section 13 Mark Scheme - pdf |

Videos – www.igcsesciencecourses.com

Textbook Ref: Complete Physics for Cambridge iGCSE (Stephen Pople) - OUP

DVD Assessments – see resource DVD in textbook.