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| **What will we be learning?****GCSE Unit:** C2- Bonding and Structure | **Why this? Why now?****GCSE Course:**Trilogy Chemistry **What other GCSE Science units does this unit relate to?**Atomic StructureEnergy ChangesRate and extent of chemical change | **Key Words:**MatterParticleMelting and boiling pointAqueousIonic bondIons and atomsElectrostatic MoltenCovalent bondsIntermolecularDiamondGraphite, grapheneDelocalised electronsMalleable, ductile and alloyFullereneNanoparticleFine particleSurface area to volume ratioSolid, liquid, gas |
| **What will we learn?****Useful equations/formulae/maths skills for this unit:**Crossover method for working out ionic formula**Misconceptions in this topic**Metallic bondingCovalent bondingIonic bonding |
| **What opportunities are there for wider study?****If you are interested in this unit, what careers does it relate to?**Industrial chemistry Research chemist Chemical engineer Analytical chemistry Materials chemistDrug manufacturing**Collins Revision guide relevant pages for this unit:**Higher and Foundation - Page 94- 100 |
| **How will I be assessed?**Deep Marking Task Title for this unit: DMT – bonding and structure poster |