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| **What will we be learning?**Atomic Structure | **Why this? Why now?**Atomic structure – Chemistry (History of the Atom, Electronic Structure)Particle Model of Matter – Physics AQA Physics | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.RadioactivityRadioactive decayIrradiatedContaminatedGeiger counterAtomic NumberMass NumberIsotopeIonisationHalf – lifeCount rateFission FusionModeratorControl RodsChain ReactionPlasmaBackground Radiation |
| **What will we learn?**Common Misconceptions: Nuclear disasters have been responsible for more deaths than fossil fuels.One radioactive material only emits one type of radiation. |
| **What opportunities are there for wider study?**Collins Revision guide relevant pages for this unit:Triple: 86-93 Higher: 212-217 Foundation: 204-209Nuclear Engineer Chemical Engineer Metal Manufacturing Materials Fracture Specialist Radiographer Cancer Specialist Research Physicist  |
| **How will I be assessed?**Deep Marking Task Title for this unit: History of the Atom |