|  |  |  |
| --- | --- | --- |
| **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 Combined Science - Physics | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.RadioactivityRadioactive decayIrradiatedContaminatedGeiger counterAtomic NumberMass N``umberIsotopeIonisationHalf – lifeCount rate |
| **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 AtomRequired Practical(s) for this unit: None |