

Home learning activities**Years 7, 8 & 9**

Subject
Science
Year Group
Year 9
Unit of work / Knowledge organiser
Atomic Structure
Activities
<ul style="list-style-type: none">• Read through Sections 1-2 of the 'Atomic Structure' 'Knowledge Organiser' on 'Atomic Structure' and 'The Discovery of the Atom'.• Make careful and detailed notes on Sections 1-2, including writing out the description of the 'plum pudding model' in Section 2a.• Copy the diagram of the atom from Section 1c.• Read Sections 3-7 of the 'Atomic Structure' 'Knowledge Organiser' on 'Radioactive Decay', 'Alpha, Beta and Gamma Radiation', 'Nuclear Decay Equations', 'Half-Life' and 'Contamination and Irradiation'.• Make careful and detailed notes on Sections 6-8, including writing out the nuclear decay equations from Section 5.• Copy out the table on the sources and effects of different doses of radiation from Section 7.
Where do you complete the work?
In Study Books.
What to do if you finish the work? (Extension activity)
<ul style="list-style-type: none">• Complete the 'Recall & Correct' questions on 'Atomic Structure'.
These websites might help:
<ul style="list-style-type: none">• BBC Bitesize -> Secondary -> GCSE -> Combined Science -> AQA Trilogy -> Physics -> Atomic Structure• www.freesciencelessons.co.uk -> GCSE Videos -> Physics Paper 1