

Name _____

Class _____

Year 9 into 10 Summer homework

Your homework is to complete one set of homework every two weeks from the grid below (a total of three sets of homework). Every row is a different topic and every column has a different level of difficulty. You should attempt to challenge yourselves appropriately.

	Easy	Medium	Hard
Genetics and Inheritance	Complete Seneca sections on Genetics and inheritance (Biology) to a standard of your KS4 target grade	Create a poster showing the different stages of meiosis and what happens at each stage.	Create a 2-page report about the Human genome project and its importance.
Key concepts in Chemistry 2	Create a one-page summary on the three types of chemical bonding, include diagrams.	You are tasked with writing an article for 'Science Weekly' about the structural differences between 4 different allotropes of carbon and how this relates to their properties and uses.	Research a career relevant to bonding and structure of chemicals. Find out what they do, what do you need to have to become one and how much they earn
Waves	Create a PowerPoint explaining all the uses and dangers of the EM Spectrum	Complete Seneca sections on Electromagnetic waves (Physics) to a standard of your KS4 target grade	The National Physics Society have recruited you to produce a leaflet for hospital waiting rooms explaining all the uses and dangers of the EM Spectrum.