Combined Science Revision Timetable

These are some ideas to help you start revising the science content for your GCSE. You should also continue with revising using Senecalearning.com and your revision guide. You will also still have to complete any science homework that is set.

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| Week beginning | Biology Activities | Chemistry Activities | Physics Activities |
| 25/2/19 | * List the tissues that make up the leaf and describe their structure. Explain how they are adapted for their function.
* Make a table with examples of infectious diseases (for plants and humans) caused by bacteria, viruses, fungi and protists. Include how each one is spread, symptoms and treatments
 | * Write out the reactivity series and label which metals are extracted with carbon and which by electrolysis
* State what a displacement reaction is and give examples
* Watch a video on the making copper sulphate required practical and take notes
 | * Make up some questions using the density equation. Include some where you have to convert units.
* Describe the 3 states of matter and the state changes. Include what happens to the internal energy as the state changes.
* Define specific heat capacity and write out the equation including the units
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| 4/3/19 | * Draw and label a diagram to explain how white blood cells recognise pathogens and how they respond
* Write a paragraph to describe how vaccines work
* Draw a flow chart to show the stages of drug development and explain the purpose of each phase
 | * Write word and symbol equations for the reactions of metals with acids, acids with bases and acids with carbonates
* Define oxidation and reduction both in terms of oxygen and electrons
* Watch a video on the electrolysis required practical and take notes
 | * Define specific latent heat and write out the equation including the units
* Define what an isotope is and give examples
* Write instructions on how to use the periodic table to calculate the number of protons, neutrons and electrons in an atom
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| 11/3/19 | * Describe photosynthesis and write the word and symbol equation.
* Draw and annotate graphs to show the effect of light intensity, CO2 concentration and temperature have on photosynthesis
* Watch a YouTube video on the photosynthesis required practical and make notes using the Cornell method
 | * Write instructions on how to work out what will be produced at the anode and cathode during electrolysis
* Give definitions of endo and exo thermic and draw and label reaction profiles for each
* (H only) Write instructions on how to calculate the energy change in a reaction from the bond energies
 | * Draw a diagram for the models of the atom proposed by Dalton, Thompson, Rutherford, Chadwick and Bohr
* Draw a table to compare the properties of alpha, beta and gamma radiation
* Describe how radioactive waste is disposed of
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