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Advice for Co-ordinated Sciences (0654)

- Study the syllabus and make notes according to each syllabus point. Use the book: Cambridge IGCSE® Combined and Co-ordinated Sciences Coursebook with CD-ROM, Mary Jones. You can also study from pure science books (I did).
- Solve topic wise questions from past papers as soon as you complete a unit (filter out questions from past papers). Identify the common questions that appear such as questions about enzymes (enzymes at high temperatures), moles (calculations), and waves (compression and rarefaction, electromagnetic spectrum, and calculations). Never miss marks in these. Understand how to write in scientific language from the syllabus and mark schemes.
- In paper 2, the MCQ paper, questions 1-13 are biology questions, 14-27 are chemistry questions and 28-40 are physics questions.
- In paper 4, there are (usually) 4 questions of each science branch.
- Use the notes provided in the resource repository folders.
- In paper 6, there are 2 questions of each science branch. Paper 6 entails a 7 mark question that asks you to write an experiment, including the apparatus, method, variables, safety procedures, results collection, and results analysis (how to draw out a conclusion - by making a graph of x against y, by identifying proportionality between x and y, etc.).
 - Cover all the parts mentioned above in the 7 mark question and your 7 marks are assured. Do not mention the intricate details in the method section - only how you would set up the reaction vessel, for example, (add a strip of magnesium into the conical flask and pour HCl. Measure the volume of hydrogen gas produced in a fixed time and repeat the experiment by adding five different concentrations - 0.5 mol/dm³, 1.0 mol/dm³, 1.5 mol/dm³, 2.0 mol/dm³, and 2.5 mol/dm³ - of a fixed volume of HCl to magnesium strips, whose surface areas and masses are the same each time).
 - See how I incorporated variables into the method. It saves space, and so you can write within the given lines. In these questions, ensure that you have at least five different values for the independent variable.

Solve papers and time yourself, and all the best in your exams!