



Dear Parents/Carers,

I am writing further to my previous letter to give you the revision list for the November mock exams for Science. Please can your child use their Revision and Practise guide that has just been sent home, to complete this revision. This vital revision will be set as homework for next week, during half term and after half term leading up to the mock exams. To support and prepare the students we have planned targeted revision lessons in the week prior to these exams. Please note that the revision list is quite long, therefore do encourage your child to read the list prior to them commencing their revision. This should remind them of topics which they believe are their weaker areas and allow them to prioritise these, rather than trying to do it all.

For these mock exams students will be asked to complete three, 1 hour and 15 minute exams, one in Biology, Chemistry and Physics if they are studying the Combined Science pathway. For the Triple Science pathway they will complete the same three exams, however these exams will be 1 hour and 45 minutes.

Reminder - Please note that the content meets all three GCSE Sciences specifications. Double students have received one book with all three Sciences in, and Triple students have been given three separate books. The page numbers are related to the books they were given.

I also recommend the website 'AQA GCSE Science BBC Bitesize' as a resource to help their learning. It can be accessed using the following website links.

Double students-

Combined Trilogy - <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

Triple students-

Biology Single - <https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Chemistry Single - <https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>

Physics Single - <https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>

The following information has already been given to your child as a hard copy-

Science November 'Mini Mocks' Revision List

During November you will sit a full paper 1 in biology, chemistry and physics. The topics below need to be revised fully so that you perform your best in these mocks. These topics were all taught in year 9 or 10 and you further consolidated some of them during lockdown.

Principal: Mr L Collins
Regional Associate Principal: Ms V Cockram
Network Associate Principal: Mr J Scafe



Resources to use to revise include your revision guide, old exercise books, BBC bitesize website and Seneca.

Some useful revision techniques you could use: making flashcards, mind maps, condensing written notes, completing past paper questions and group revision with your friends.

Biology Paper 1 (Green Combined Higher book- pages 2-111, Pink Combined Foundation book- pages 2-101, Orange Triple book pages 2-141)

1. Cell structure
2. Cell transport
3. Cell division
4. Organisation in animals
5. Enzymes
6. Organisation in plants
7. The spread of diseases
8. Preventing and treating diseases
9. Non-communicable diseases
10. Photosynthesis
11. Respiration

Chemistry Paper 1 (Green Combined Higher book- pages 184-273, Pink Combined Foundation book- pages 180-257, Blue Triple book pages 2-119)

1. The atom
2. Covalent bonding
3. Ionic bonding, metallic bonding and structure
4. The periodic table
5. Quantitative chemistry
6. Reactions of metals
7. Reactions of acids
8. Electrolysis
9. Energy changes

Physics Paper 1 (Green Combined Higher book- pages 336-405, Pink Combined Foundation book- pages 318-385, Red Triple book pages 2-95)

1. Energy stores and transfers
2. National and global energy resources
3. Supplying electricity
4. Electric circuits
5. Energy of matter
6. Atoms
7. Nuclear radiation



Thank you so much for your time and for supporting your child with the final year of their GCSE studies.

Kind regards,

Miss McCall
Head of Science
Ark Alexandra Academy

Principal: Mr L Collins
Regional Associate Principal: Ms V Cockram
Network Associate Principal: Mr J Scafe