Year 11 Parents Information Evening

Science

Wednesday 20th September 2023

Science

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GCSE Sciences

Exam Board AQA

Biology

Chemistry

Physics



Biology

- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response current topic
- Inheritance
- Variation
- Evolution
- Ecology



Chemistry

- Atomic structure and the periodic table
- Bonding, structure, and the properties of matter
- Quantitative chemistry
- Chemical changes
- The rate and extent of chemical change current topic JPH
- Chemistry of the atmosphere
- Organic chemistry
- Chemical analysis
- Energy changes current topic SN
- Using resources



Physics

- Energy
- Waves current topic
- Particle model of matter
- Atomic structure
- Forces
- Electricity
- Magnetism
- Electromagnetism
- Space physics



Physics

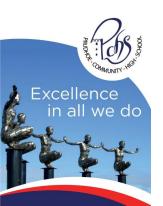
- Forces
- Energy
- Waves
- Electricity
- Magnetism
- Electromagnetism
- Particle model of matter
- Atomic structure
- Space physics

All students must learn the required equations, know how to rearrange them and use them.

Equations are in the personal organiser on page 140

https://filestore.aga.org.uk/resources/physics/AQA-8463-ES-INS.PDF

AQA GCSE Physics - Equations & Formulae (specification 8463 & 8464)



Biology, Chemistry and Physics

ASSESSMENT

Two written exams per subject: 1 hour 45 minutes each Foundation and Higher Tier
100 marks

QUESTIONS

Multiple choice, structured, closed short answer and open response.



Science Practical Work

There is no coursework or controlled assessment in the science GCSE courses. Practical work will be undertaken to help students make sense of the theory. Students are required to complete a number of AQA set practicals for each subject on which questions can be asked in the examinations.



Homework Guidelines

Students should be starting their revision NOW.

Independent Learning

- Encourage them to work through the specification making revision resources i.e. Mind Maps, Flash Cards
- Encourage them to be practicing past paper questions and using mark schemes to improve answers

They will also be given specific homework tasks by their teachers



Four Top Websites for Science

- ★ https://www.aqa.org.uk/subjects/science/gcse
- ★ www.bbc.co.uk/bitesize/levels/z98jmp3
- https://www.freesciencelessons.co.uk/
- https://www.youtube.com/c/Cognitoedu



Google Classrooms for Science

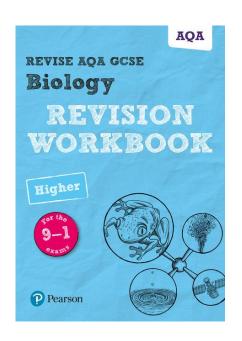
All students are members of google classrooms for each subject. The classrooms contain

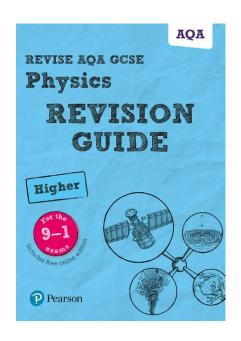
- Revision maps
- Links to websites
- Links to videos
- Recorded lessons
- Quizzes

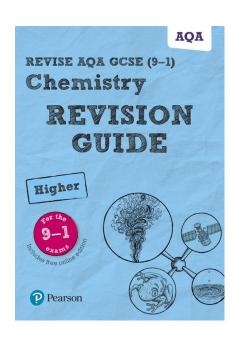
and much more!



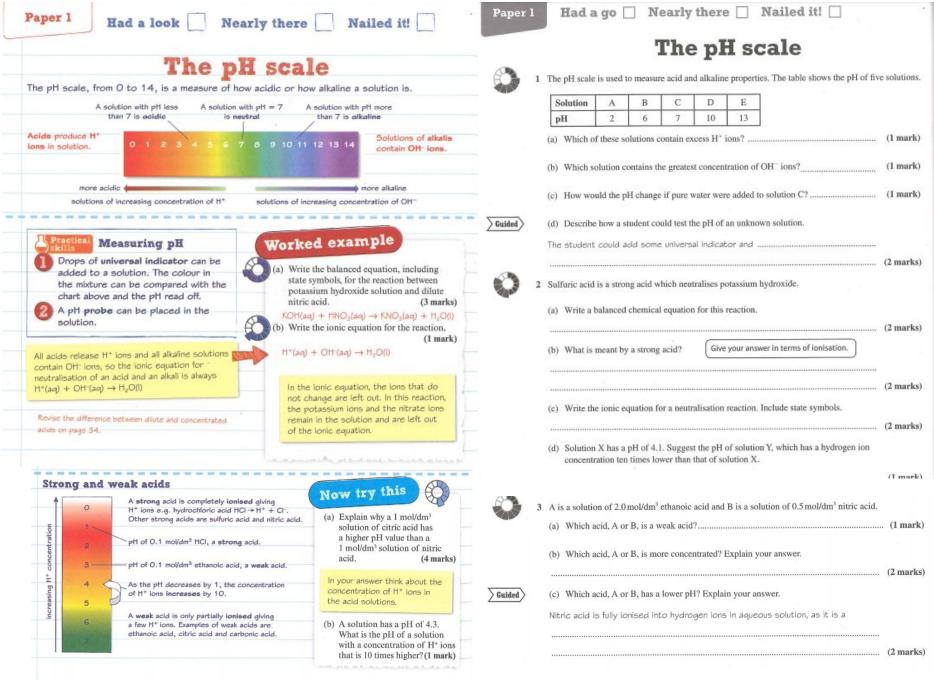
Science Revision Guides / Workbooks











Science Support in School

Miss Pentland is organising targeted intervention on Monday, Tuesday and Friday lunchtimes.

All science staff will support students who have questions they want answering - encourage them to come and see us!

Science Revision Tips for Parents

Useful Websites

https://www.aqa.org.uk/subjects/science/gcse

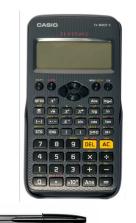
www.bbc.co.uk/bitesize/levels/z98jmp3

https://www.freesciencelessons.co.uk/

https://www.youtube.com/c/Cognitoedu

Equipment

Ensure students have the correct equipment for every lesson.



Revision Clubs

Attend after school sessions with science teachers.

Past paper questions will be provided.

Regular Homework

Ensure students are completing their revision homeworks to the best of their ability, using video links to help.



Revision Guides and Workbooks

For sale at school Buy them on Gateway

Then use them!!







Most importantly - be positive about Science!



Science

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