



H.T.C.S. Discovery Faculty

Revision Support Booklet – Separate Award

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1. General Information

All students follow the AQA GCSE Separate award specification. There are two tiers available. Foundation allows students to achieve Grade 1-5, Higher allows students to achieve Grade 4-9. Students can 'mix enter', so for example complete Foundation Biology and Higher Physics.

Each subjects is assessed by 2x105 minute examinations, each worth 100 marks. There are 2 papers each for Biology, Chemistry and Physics. Within these papers students are assessed on their ability to recall content, and apply this content to unfamiliar contexts. They are also assessed on mathematical skills, and 15% of the examinations will assess aspects of the Required Practical Assessments (RPA's).

Key Dates

March Forecast Examinations

Students will complete forecast examinations within their Science lessons – teachers will advise of the dates of these for their classes.

GCSE Examinations

Paper 1 Biology – 15th May 2018 p.m.

Paper 1 Chemistry – 17th May 2018 a.m.

Paper 1 Physics – 23rd May 2018 p.m.

Paper 2 Biology - 11th June 2018 a.m.

Paper 2 Chemistry - 13th June 2018 a.m.

Paper 2 Physics – 15th June 2018 a.m.

In preparation for sitting these examinations all students should be completing a minimum 6 hours per week independent study (2 hours per area), focussing initially on their areas of weakness identified from their November Forecast examinations and subsequently from areas of weakness identified from their March Forecast examinations. There are websites available to support students do this and the following pages detail some of the better ones.

All students should now have a revision guide – if your child does not have one please contact Mrs Peek as a priority. Workbooks of example questions are also available to purchase.

2. Practice papers

The specification for each science can be found here:

Biology

<http://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

Chemistry

<http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

Physics

<http://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF>

A copy will also be uploaded to myUSO for all students.

As this is a new specification there are no past paper available for the course – however AQA have released specimen assessment material that can be found here;

<http://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources>

<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources>

<http://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources>

AQA also offer 2 combined science courses – GCSE Trilogy and GCSE Synergy. Although these do not cover all the content of the separate award, the exam papers are useful as additional practice material.

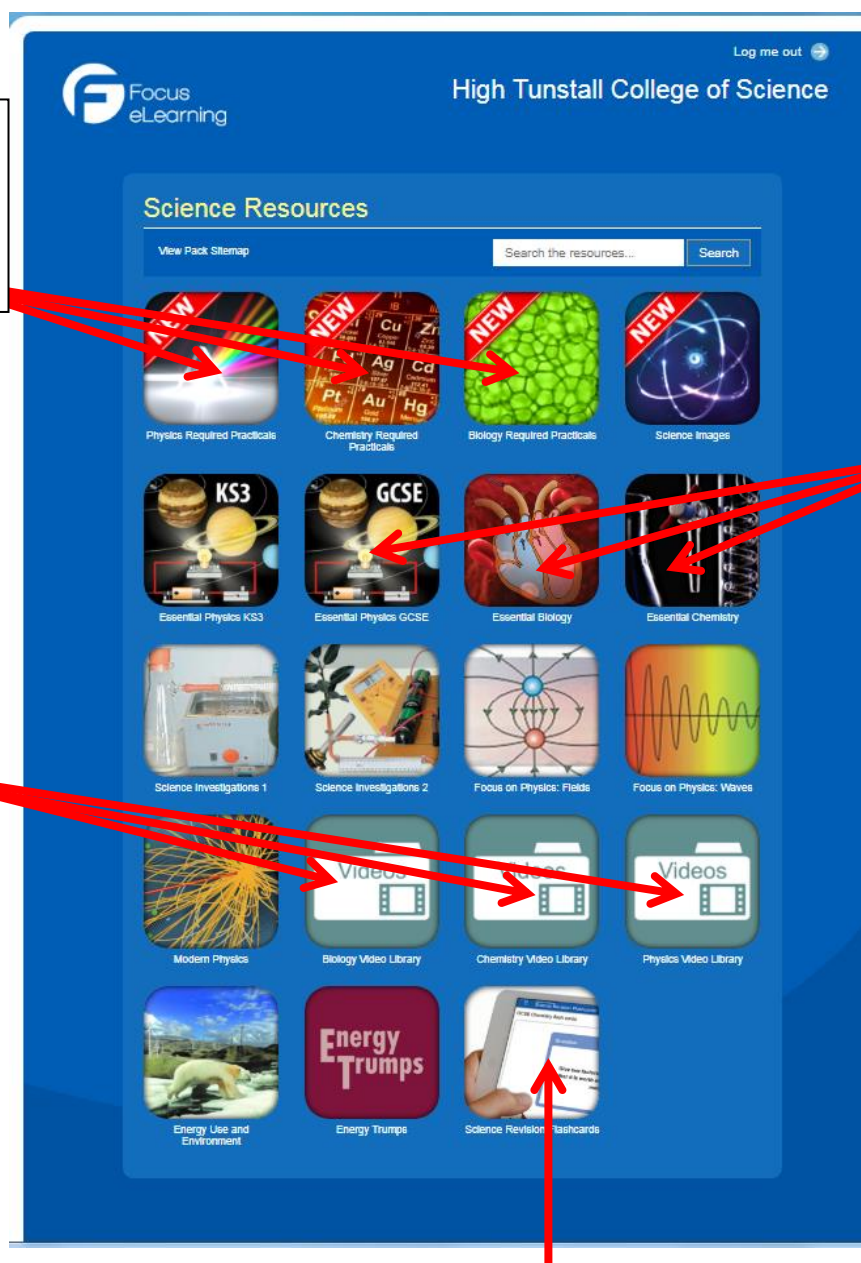
<http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources>

<http://www.aqa.org.uk/subjects/science/gcse/combined-science-synergy-8465/assessment-resources>

Students will also receive hard copies of revision packs after half term – again these will be uploaded onto myUSO for students and parents to access.

3. Focus educational

Ask your teacher for the login if you don't have one already.



This interactive software contains simulations of all RPA's that the students need to understand, alongside videos that show the practical activity being carried out. This is an excellent resource for students to explore – choose the 'Required Practical' tabs, and then AQA from the menu on the left.

As well as this there are revision videos, quizzes and animations – it is well worth spending some time exploring this resource.

4. YouTube channels

my GCSEscience

https://www.youtube.com/user/myGCSEscience/playlists?shelf_id=9&sort=dd&view=50

The screenshot shows the YouTube channel page for 'myGCSEscience'. The channel has 19 videos and 85,285 views, last updated on 15 Nov 2017. The main content area displays a playlist titled 'GCSE Chemistry Atoms, elements, compounds, mixtures (AQA 9-1)' with 8 videos. The videos are:

- GCSE Chemistry Atoms, elements, compounds, mixtures (AQA 9-1) - 13:08
- GCSE Chemistry Separating mixtures (AQA 9-1) - 7:41
- GCSE Chemistry The Periodic Table (AQA 9-1) - 6:17
- GCSE Chemistry Ionic bonding (AQA 9-1) - 11:45
- GCSE Chemistry Solids, liquids and gases (AQA 9-1) - 10:18
- GCSE Chemistry Properties of ionic, covalent and metallic structures (AQA 9-1) - 9:43
- GCSE Chemistry Giant covalent structures (AQA 9-1) - 5:57
- GCSE Chemistry Conservation of mass and balanced chemical equations (AQA 9-1) - 9:58
- GCSE Chemistry Extracting metals (AQA 9-1)

The left sidebar shows the YouTube navigation menu with options like Home, Trending, History, Music, Sports, Gaming, Films, TV Shows, News, Live, Spotlight, 360° Video, Browse channels, Sign in, Settings, and Help.

Free Science lessons

https://www.youtube.com/results?search_query=freesceincelessons

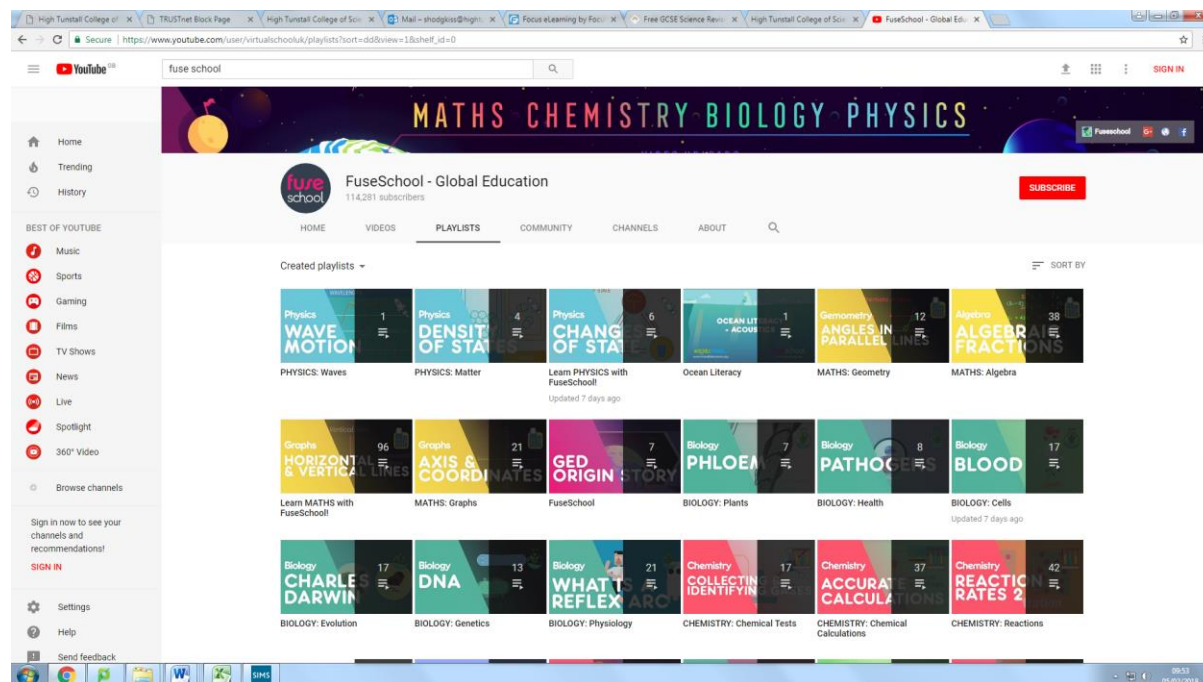
The screenshot shows YouTube search results for 'freesceincelessons'. The search results include several videos from the 'freesceincelessons' channel:

- GCSE Biology (9-1) Cell division by Mitosis - 3:44
- 9-1 GCSE Biology Paper 1 Organisation - 17:17
- GCSE Biology (9-1) Microscopy - 4:46
- GCSE Biology (9-1) Communicable and non-communicable disease - 3:51
- GCSE Chemistry (9-1) Chromatography - 5:04

The left sidebar shows the YouTube navigation menu with options like Home, Trending, History, Music, Sports, Gaming, Films, TV Shows, News, Live, Spotlight, 360° Video, Browse channels, Sign in, Settings, and Help.

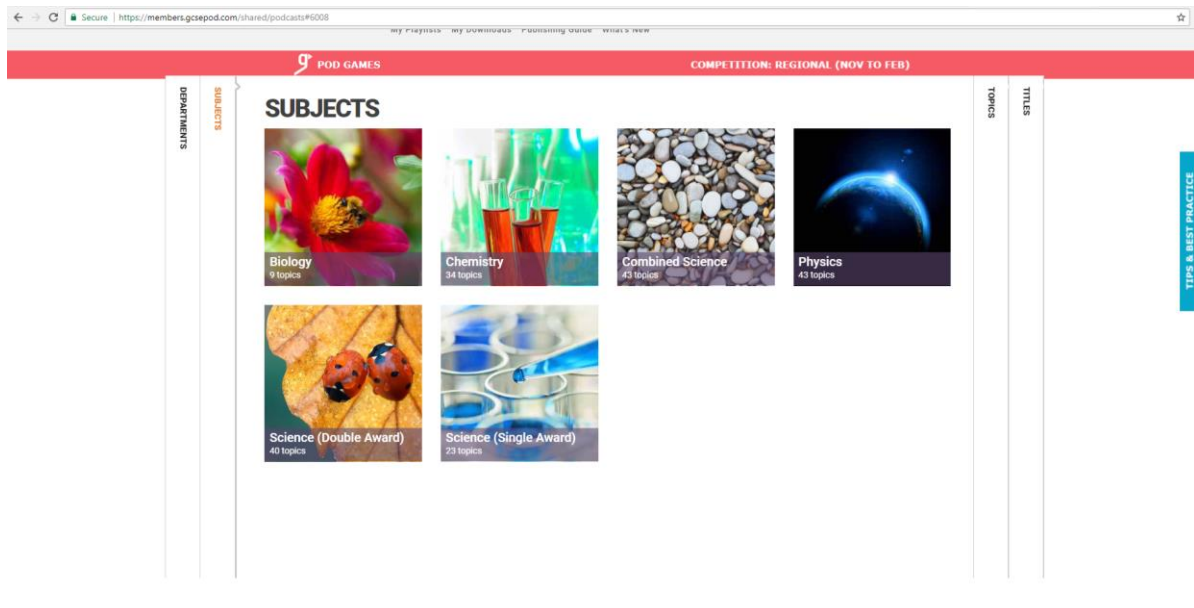
Fuse school

<https://www.youtube.com/user/virtualschooluk/playlists>



All of these channels have a variety of clips and videos covering the majority of the GCSE Science course. These should be used to assist you in the production of revision resources, such as mind maps and cue cards, and to refresh your knowledge of key concepts. Passively watching a video, however, is not revising – you need to do something with it.

5. GCSEpod



Students have their own unique logins to access GCSEPod. It contains a lot of short 'pods' covering the whole range of content. It is great for short recaps but there aren't then questions and solutions to access to practise what has been revised. It can, at times, be difficult to find the topic you are looking for as there are several submenus.

6. Staff contact information

Please contact us if there is anything we do to help. This may include asking which units to be concentrating on or where to find them on which websites. Alternatively it may be to find out how your child is progressing or to let us know how your child is getting on accessing these materials from home. We have detailed analysis of your child's performance in exams at a question and topic level and are happy to share this with you. Here is a list of our email addresses as it would be great to hear from you.

Staff name	Email address
Miss N Beecham	nbeecham248@hightunstall.hartlepool.sch.uk
Mr A Hare	ahare@hightunstall.hartlepool.sch.uk
Miss R Jefferson	rjefferson@hightunstall.hartlepool.sch.uk
Mr J Milligan	jmilligan6@hightunstall.hartlepool.sch.uk
Mrs S Moore	smoore@hightunstall.hartlepool.sch.uk
Mrs S Peek	shodgkiss@hightunstall.hartlepool.sch.uk
Mrs L Reavley	lreavley@hightunstall.hartlepool.sch.uk
Mr A Small	asmall@hightunstall.hartlepool.sch.uk
Mr R Walker	rwalker121@hightunstall.hartlepool.sch.uk
Miss C Wassell	cwassell108@hightunstall.hartlepool.sch.uk

Thank you for taking the time to attend this evening and I hope you have found it useful.

Sarra Peek

Faculty Leader - Discovery