

GCSE SUPERCURRICULAR SUGGESTIONS

Firstly, please note that ‘supercurricular’ is not a tick-list of items to guarantee success. It is about engaging your own curiosity and extending your thinking in directions you choose. It is how students demonstrate their own initiative and commitment to learning.

To help you on your journey, your teachers have compiled below a subject specific list of recommendations. These are just your starting point – please remember that the library stocks an enormous range of material relevant to your subject areas.

Please login to the library page AccessIt ([Derby High School \(accessit.online\)](http://Derby High School (accessit.online))) or contact the library team for help.



General suggestions for broadening your knowledge and understanding:

- Read the newspaper; most broadsheets have a specialist column at some point in the week. Through Access-It, you can access The Day newspaper or Newspapers for Schools from the “subscriptions passwords” tile. Listen to the radio. E.G: Radio 4 *specialist* programmes: <http://www.bbc.co.uk/radio4/features/programmes/> or the BBC World Service
- Use library journals – we subscribe to lots of specialist journals in the library. You can find links to them here [Subscription passwords Mar 2022.pdf \(accessit.online\)](#) Hard copies are also available. The library team is always willing to help you find something specific if you can't find it yourself.
- Use the internet:
 - For broad exploration e.g: TED talks <http://www.ted.com/> <http://www.youtube.com/user/Vsauce>
 - To find learning opportunities for AS/A2 students: E.G: a geography student might look at the Royal Geographic Society student workshop opportunities: <http://www.rgs.org/WhatsOn/Training+and+CPD/Events+for+students.htm>
 - Use online forums for your subject.
 - For subject specific websites e.g: <http://www.simplypsychology.org/> to find articles.
- Undertake a MOOC (Massive Open Online Courses) on ANYTHING, from providers such as:
 - <https://www.edx.org/>
 - <https://www.coursera.org/>
 - <https://www.futurelearn.com/courses>
- Volunteer or do work experience
- Visit places relevant to your field of study (or use the internet to do so virtually)
- Observation – look at the world around you, and the news, and try and link aspects of your subject to it, e.g: Geographers, walk around where you live and think about how the settlement has been planned/ grew, what kind of soil there is, etc

ART & DESIGN

Suggested extension material:

GENERAL INTEREST

London

- British Museum – www.british-museum.ac.uk
- Camden Art Centre – www.camdenartcentre.org
- Crafts council – www.craftscouncil.org.uk
- Design Museum – www.designmuseum.org.uk
- Imperial War Museum – www.iwm.org.uk
- National Gallery – www.nationalgallery.org.uk
- National Portrait Gallery – www.npg.org.uk
- Natural History Museum – www.nhm.ac.uk
- Royal Academy- www.royalacademy.org.uk
- Science Museum – www.sciencemuseum.org.uk
- Tate Galleries – www.tate.org.uk
- Victoria and Albert Museum – www.vam.ac.uk

Scotland

- National Galleries of Scotland – www.natgalscot.ac.uk

Wales

- National Museum of Wales – www.museumwales.ac.uk

East

- Bury St Edmunds Art Gallery – www.burystedmundsartgallery.org
- Fitzwilliam Museum, Cambridge – www.fitzmuseum.cam.ac.uk
- Kettle’s Yard, Cambridge – www.kettlesyard.co.uk

Midlands

- Ashmolean Museum, Oxford – www.ashmolean.org
- Birmingham Museum and Art Gallery – www.bmag.org.uk
- New Art gallery Walsall – www.artatwalsall.org.uk
- Pitt Rivers Museum, Oxford – www.prm.ac.uk

South-east

- Turner Contemporary, Margate – www.turnercontemporary.org

South-west

- Tate St Ives – www.tate.org.uk

North

- Tate Liverpool – www.tate.org.uk
- National Museum of Photography, Film and Television, Bradford – www.nmpft.org.uk
- The Lowry, Salford Quays – www.thelowry.com
- Walker Art Centre, Liverpool – www.walkerart.org
- Whitworth Art Gallery, Manchester – www.whitworth.man.ac.uk
- Yorkshire Sculpture Park, Wakefield – www.yssp.co.uk

South

- Apex Gallery, Portsmouth – www.apex.org.uk
- Bracknell Gallery – www.southillpark.org.uk
- Brighton Pavilion – www.royalpavilion.org.uk
- Craft Study Centre, Farnham – www.csc.ucreative.ac.uk
- Pallant House Gallery, Chichester – www.pallant.org.uk

International

- Centre Pompidou – www.centrepompidou.fr
- Guggenheim, New York – www.guggenheim.org
- Minneapolis Institute of Arts – www.artsmia.org
- Museum of Modern Art, New York – www.moma.org
- San Francisco Museum of Modern Art – www.sfmoma.org

Design and Technology specific:

Great websites for help with your GCSE coursework and exam revision needs.

www.technologystudent.com

<https://design-technology.org/>

- Alessi Design - www.alessi.com
- How stuff Works - www.howstuffworks.com/
- Cabaret Mechanical Theatre - cabaret.co.uk/
- [Moving paper toys - www.flying-pig.co.uk/](http://www.flying-pig.co.uk/)
- [Centre for Alternative Technology - www.cat.org.uk/](http://www.cat.org.uk/)
- The Victoria and Albert Museum www.vam.ac.uk
- Design Museum – www.designmuseum.org.uk
- Crafts council – www.craftscouncil.org.uk
- Science Museum – www.sciencemuseum.org.uk
- William Morris - www.wmgallery.org.uk/
- Instructables (how to make just about anything!)
<http://www.instructables.com/>
- Design and Technology association - www.data.org.uk/
- James Dyson - www.jamesdysonfoundation.co.uk/

Fine Art

- Courtauld Institute Gallery, London – www.courthauld.ac.uk/gallery
- Hayward Gallery, London – www.hayward.org.uk
- Institute of contemporary Arts (ICA), London – www.ica.org.uk
- Saatchi Gallery, London – www.saatchi-gallery.co.uk
- Serpentine Gallery, London – www.serpentinegallery.org
- White Cube, London – www.whitecube.com
- Whitechapel Gallery, London – www.whitechapel.org

Graphi4c Communication

- Debut Art, Photographers, Illustrators and Fine Artists Agents – www.debutart.com
- Design Council – www.designcouncil.org.uk
- Kerve Graphic Design and Internet Services – www.kerve.com
- La Graphica – www.lagraphica.com

Photography

- Association of Photographers – www.the-aop/homr.htm
- British Institute of Professional Photography – www.bipp.com
- British Journal of Photography – www.bjpphoto.co.uk
- Michael Hoppen Gallery, London – www.michaelhoppengallery.com
- National Museum of Photography, Film and Television, Bradford – www.nmpft.org.uk
- Photographers' Gallery, London – www.photonet.org.uk
- Royal Photographic Society – www.rps.org

Textiles

- Batik Guild – www.batikguild.org.uk
- Embroiderers Guild - www.embroiderersguild.com
- Costume Gallery – www.costumegallery.com
- In a minute ago – www.inaminute.com
- International Feltmakers Association – www.feltmakers.org
- Six – www.sixart.co.uk
- Sixty-Two Group of Textile Artists – www.62group.freeuk.com
- Textile-Art – www.textile-art.com
- Textile Arts Directory – www.textilesarts.net
- Textile Web – www.textileweb.com
- World Wide Arts Resources – www.wwar.com

Three-Dimensional Design

- Barbara Hepworth Museum, St Ives – www.tate.org.uk/stives/hepworth
- Cass Sculpture Foundation, Goodwood – www.sculpture.org.uk
- Craft Potters Association, London – www.ceramicreview.com
- Hannah Peschar Sculpture Garden, Surrey – www.hannahpescharsculpture.com
- Henry Moore Foundation – www.henry-moore-fdn.co.uk
- Public monuments and Sculpture Association – www.pmsa.org.uk

Other

- Art Cyclopedia – www.artcyclopedia.com
- Gallery Website – www.gallerywebsites.co.uk
- Courtauld Institute, London – www.artandarchitecture.com
- Royal Institute of Architects – www.architecture.com

BIOLOGY

Suggested consolidation material:

- Your textbook

Suggested extension material:

- Biological Sciences Review (you can subscribe here: <http://www.bsr.manchester.ac.uk/> or it is available through the Philip Allan link in our library)
- BBC Focus magazine
- New Scientist magazine (in print or www.newscientist.com)
- Read about science in the news including:
 - <http://www.theguardian.com/science>
 - http://www.bbc.co.uk/news/science_and_environment/
- Bryson, Bill: **A Short History Of Nearly Everything** – easy reading of awesome stories covering lots of different areas of science; from the Big Bang to the rise of civilisation.
- Atkins, Peter: **Atkins' Molecules** – non technical account of the molecules responsible for the experiences of our everyday life.
- Darwin, Charles: **Evolutionary Writings** - No biology reading list is complete without a bit of Darwin!
- Ridley, Matt: **Genome** - 23 chapters; one for each chromosome. Fascinating!
- Lane, Nick: **Power, Sex, Suicide: Mitochondria and the Meaning of Life** - How can tiny organelles that were once free-living bacteria be the key to answering some of the most profound questions of 21st century science? Read this and find out! Van Emden, Helmut: **Statistics for Terrified Biologists** – for those who want to understand statistics without tears
- Brown, Guy: **The Energy of Life** – one of the greatest popular science books ever written.
- Greenfield, Susan: **The Human Brain: A Guided Tour** - all about the brain and how it works.
Winston, Robert: **The Human Mind and How to Make the Most of it** - an entertaining look at how memories are made and lost, why our behaviour changes as we mature, how we can boost our intelligence and the truth behind seemingly supernatural experiences. Very interesting!
- Levi, Primo: **The Periodic Table** - an author who survived Auschwitz + a chapter named after each element of the periodic table = numerous fascinating stories.
- Cox, Brian: **Wonders of Life** - a brilliant companion to the BBC series of the same name.

Suggested extension activities:

- Watch some TED talks videos on scientific topics – they are often fascinating.

- The Amoeba Sisters YouTube channel (<https://www.youtube.com/user/AmoebaSisters>) is an amazing source of videos on all kinds of biology topics. Their website <https://www.amoebasisters.com/> also has some handouts and other materials which may be useful.
- <https://www.youtube.com/watch?v=PSRJfaAYkW4> 'How does your immune system work?'
- <https://youtu.be/ZvhFeGEDFC8> this a great one called 'How can we solve antibiotic resistance crisis?'

CHEMISTRY

Suggested consolidation material:

- **CGP New Grade 9-1 Edexcel International GCSE Chemistry: Revision Guide with Online Edition** ISBN: 9781782946762 (Retails at £6.95 on their own site, but worth a look on Amazon to see if you can get it for less).
- **CGP New Edexcel International GCSE Chemistry: Grade 8-9 Targeted Exam Practice Workbook (with answers)** ISBN: 9781789082371
- **CGP New Grade 9-1 Edexcel International GCSE Chemistry: 10-Minute Tests (with answers)** ISBN: 9781789080865
- **CGP New Grade 9-1 Edexcel International GCSE Chemistry: Exam Practice Workbook (includes Answers)** ISBN: 9781782946861
- <https://www.physicsandmathstutor.com/chemistry-revision/igcse-edexcel/> contains revision notes and exam questions by topic.
- <https://www.savemyexams.co.uk/igcse/#Edexcel9-1> similar to above but also has access to full past papers for the Edexcel IGCSE.
- [https://qualifications.pearson.com/en/support/support-topics/exams/past-papers.html?Qualification-Family=International-GCSE&Qualification-Subject=Chemistry%20\(2011\)&Status=Pearson-UK:Status%2FLive&Specification-Code=Pearson-UK:Specification-Code%2Fgcse11-chemistry](https://qualifications.pearson.com/en/support/support-topics/exams/past-papers.html?Qualification-Family=International-GCSE&Qualification-Subject=Chemistry%20(2011)&Status=Pearson-UK:Status%2FLive&Specification-Code=Pearson-UK:Specification-Code%2Fgcse11-chemistry) link to the official EDEXCEL site for full past papers for IGCSE chemistry.
- <https://app.senecalearning.com/classroom/course/967b4370-21e8-11e8-8c0c-d79041e9c8a6/section/67d9a410-21f9-11e8-8c0c-d79041e9c8a6/session> interactive, specification specific courses.
- <http://www.docbrown.info/page05/page05.htm>

Suggested extension material:

- <https://www.chemistryworld.com/> 'Chemistry World' - An interesting, accessible & topical publication.
- <https://www.nature.com/>
- Suggested Wider Reading: There are many good books available, search online or in a bookshop. There are too many to list but a selection are:
 - **The Secret life of the periodic table** – Ben Still (ISBN 9781844038855)
 - **Women in Science: 50 Fearless Pioneers Who Changed the World** – Rachel Ignatofsky (ISBN 9781526360519)
 - **The periodic kingdom, a journey into the land of chemical elements** – P.W. Atkins
 - **Nature's Building blocks** – J. Emsley
 - **Molecules at an exhibition** – J. Emsley

ENGLISH LITERATURE

Suggested consolidation material:

- Seneca Learning
- BBC Bitesize
- Sparknotes

Suggested extension material:

The Early Novel

- Jane Austen; Emma
- Jane Austen; Sense and Sensibility

The Victorian Novel

- Thomas Hardy; Tess of the d'Urbervilles
- Charlotte Bronte; Jane Eyre
- Thomas Hardy ; The Major of Casterbridge
- Thomas Hardy; Far From the Madding Crowd
- William Makepeace Thackeray; Vanity Fair
- Gustave Flaubert; Madame Bovary
- Anne Bronte; The Tenant of Wildfell Hall
- Emily Bronte; Wuthering Heights
- George Eliot; Middlemarch
- George Eliot; The Mill on the Floss
- R.D. Blackmore; Lorna Doone
- Nathaniel Hawthorne; The Scarlet Letter
- Henry James; The Turn of the Screw
- Wilkie Collins; The Woman in White; The Moonstone
- Bram Stoker; Dracula

Victorian Short Stories

- Arthur Conan Doyle; Sherlock Holmes stories
- Robert Louis Stevenson; 'The Body Snatcher'
- Oscar Wilde; 'The Canterville Ghost'
- M.R. James; 'Lost Hearts'
- Edgar Allan Poe; 'The Black Cat'; 'The Tell-Tale Heart'; 'The Raven'; 'The Fall of the House of Usher'

The Modern Novel (Early C20th)

- E.M. Forster; A Room With a View
- Edith Wharton; The House of Mirth
- Edith Wharton; The Age of Innocence

Shakespeare

- Othello
- Antony and Cleopatra
- Hamlet
- King Lear

Criticism:

- A.C. Bradley; Shakespearean Tragedy
- G. Wilson Knight; The Wheel of Fire
- Frank Kermode; Shakespeare's Language
- Nicolas Tredell; Shakespeare: The Tragedies
- Professor John Russell Brown; Shakespeare: The Tragedies
- Philippa Berry; Shakespeare's Feminine Endings: Disfiguring Death in the Tragedies (Feminist Readings of Shakespeare)

Poetry

Other collections in the GCSE poetry anthology

- Ruth Padel; 52 Ways of Looking at a Poem: or How Reading Modern Poetry Can Change Your Life: A Poem for Every Week of the Year
- [Poetry | Genius](#)

Take part in a national writing / speaking competition:

- <http://nanowrimo.org/> (national novel writing month)
- <http://poetrysociety.org.uk/competitions/national-poetry-competition/> (national poetry writing competition)
- <http://www.towerpoetry.org.uk/> (Tower poetry competition)

Other ideas:

- Explore plays by Shakespeare and others - often, study-support packs are provided on-line:
- <https://www.shakespearesglobe.com/whats-on>
- <https://www.rsc.org.uk/>
- <https://www.nationaltheatre.org.uk/>

More challenging, but an interesting and varied selection of lectures:

- Gresham lectures <http://www.gresham.ac.uk/watch/>

MOOCS – creative writing, e.g.:

- <https://www.futurelearn.com/courses/start-writing-fiction>

FRENCH

Suggested consolidation material:

Use any of the following:

- Doodle
- Languages Online
- www.bonjourdefrance.com
- www.tv5.org
- www.rfi.fr
- www.zut.org.uk
- www.linguascope.com
- www.ide.fr
- www.google.fr
- www.fr.yahoo.com
- www.ipsos.fr
- www.ados.fr
- www.lesclesjunior.com
- www.radiofrance.fr
- www.bbc.co.uk
- <http://www.cinepacks.co.uk>

Suggested extension material:

Newspapers/Magazines/ Periodicals

- Le Monde
- Le Figaro
- Okapi

Films TV: Go to Netflix and change the language setting to the language you are studying

FOOD, NUTRITION & HEALTH

Suggested consolidation material:

- All of the theory power points used during your GCSE course are available for revision purposes in the following area:
Senior Shared/ Food and Nutrition/ Food Preparation and Nutrition/Theory
- You have access to the OCR text book in the same area under its own heading – Text Book

Suggested extension material:

- The British Nutrition Foundation has excellent resources including quizzes and test yourself sections on all aspects of food science and nutrition:
- <https://www.foodafactoflife.org.uk/>

Websites: For additional information on commodities – the trade council websites and representative bodies are very useful:

<https://www.milk.co.uk/>

<https://wholegrainscouncil.org/>

<https://www.soilassociation.org/>

<http://www.littleredtractor.org.uk/>

For specific dietary needs:

<https://www.vegansociety.com/>

<https://www.vegsoc.org/>

For additional health information in relation to nutrition:

<https://www.diabetes.co.uk/>

<https://www.bhf.org.uk/>

<https://www.obesityuk.org.uk/>

<https://www.bma.org.uk/connecting-doctors/search?q=nutrition>

For additional information on government policies including safety related to food:

<https://www.fdf.org.uk/>

<https://www.agriculture.gov.ie/>

<https://www.food.gov.uk/>

<https://www.food.gov.uk/food-safety>

Extension activities:

- Keep cooking! Challenge yourself with new skills all the time.
- Look through all your cookery books at home and pick out menus to suit different dietary needs
- Watch You Tube – How its Made! For all your key commodities eg milk, yoghurt, cheese (hard and soft), flour, bread (commercial)
- Plant some seeds and see if you can grow your own veg!
- Watch Masterchef the Professionals – the skills tests at the beginning will teach you how to make lots of different things

GEOGRAPHY

Suggested consolidation and extension material:

- Geography Review and Wide World – available as hard copies in the library and also online via Library Access site.
- Reading magazines such as National Geographic and The Economist (it is not just about the economy!)
- Many newspapers also have dedicated news sections for geographical and environmental news, which you can read in print or online:
<http://www.theguardian.com/us/environment>
<http://www.nytimes.com/pages/science/earth/index.html>
<http://timesofindia.indiatimes.com/home/environment>
<http://www.irishtimes.com/news/environment>
<http://content.time.com/time/specials/2007/0,28757,1730759,00.html>
- Visit the Science and Environment section on the BBC website for general geographical knowledge.
http://www.bbc.co.uk/news/science_and_environment/
- The Royal Geographical Society website is also worth a visit. They often run various competitions. www.rgs.org
- Look at the social and economic indicators for current urban and population issues in the UK on: www.statistics.gov.uk and www.neighbourhood.statistics.gov.uk

Reading recommendations

Tim Marshall- 'Prisoners of Geography', 'Divided' and 'Shadowplay'.

Dharshini David- 'The Almighty Dollar'

Sarah Wheeler- 'Terra Incognita: Travels in Antarctica' and 'The Magnetic North: Travels in the Arctic'

Tim Butcher- 'Blood River'

Bill Bryson- any of his travel writing e.g. 'Down Under' or 'Notes from a small island'

GERMAN

Suggested consolidation material:

- Zeitgeist Grammar book to do extra grammar exercises.
- Use the ZigZag resources held by the department.
- U6 can re-read the play and repeat the consolidation questions they did.
- Complete any of the optional essay title.

Suggested extension material:

- <http://www.tagesschau.de/100sekunden/> - essential viewing EVERY DAY!
- <http://www.slowgerman.com> - contains lots of links to different topics with transcripts so you can read as well as listen
- <http://www.youtube.com/bundesregierung?gl=DE&hl=de> - Watch what's going on in German politics – Die Kanzlerin direkt
- http://www.bundestkanzlerin.de/Webs/BKin/DE/Mediathek/mediathek_node.html;jsessionid=ABC4AA816A843765E49BEBE70D26E174.s4t2?id=765864 - Angela Merkel's weekly broadcast
- <http://www.ardmediathek.de/> - German equivalent to BBC i-player
- <http://www.zdf.de/> - similar to itv-player
- <http://tvthek.orf.at/programs/70018-Wien-heute> - Austrian version of the above. A bit harder to understand but worth doing if only to get used to different accents!
- <http://www.srf.ch/> - Swiss TV. Try a minute of the video just to appreciate how clear standard German is.
- <http://www.dw.de/learn-german/s-2469> - Lots of videos at different levels on different topics
- <https://www.goethe.de/ins/gb/lon/prj/asa/enindex.htm> - Links aimed at topics you'll be studying at AS and A2

Facebook – “Like” some pages and you'll be bombarded with short but useful German – try these:
DW – Learn German/ Ich liebe Deutsch/ I Love Berlin/DeutschAkademie etc etc the list is endless!

Films / TV: Go to Netflix and change the language setting to the language you are studying

Some German Films:

Das Leben der Anderen	- Florian Henckel
Lola rennt	- Tom Tykwer
Goodbye Lenin	- Wolfgang Becker
Die fetten Jahre sind vorbei	- Hans Weingartner
Sophie Scholl	- Marc Rothemund

HISTORY

Suggested consolidation material:

Unit 1 Germany:

'AQA Revision Guide' that accompanies your textbook (Oxford) (available on Amazon)

'CGP GCSE History Germany 1890-1945' ISBN-13: 978-1789082814 (available on Amazon)

Unit 2:

'AQA Revision Guide' that accompanies your textbook (Oxford) (available on Amazon)

CGP GCSE Conflict and Tension 1919-1939' History ISBN-13: 978-1789082821

Unit 3:

There are no published guides, so you are reliant on DM for written material.

There is online support below

Unit 4:

There are no published guides, so you are reliant on DM for written material.

There is online support below

Suggested extension material:

Websites:

Unit 1

<https://www.bbc.co.uk/bitesize/topics/zskcg82> AQA specific and very useful

<https://spartacus-educational.com/Germany.htm>

<https://spartacus-educational.com/GERnazigermany.htm> - there lots of clickable links, so you need to make sure that have a good look round the site. There are useful clickable indexes that are in sections, eg. People; events; timelines.

<https://www.johndclare.net/Weimar1.htm> - this will take you to a clickable index for Germany from 1918-1945. It is quite an old website now and does not support the new 9-1 GCSE. However, the material and how he lays it out is excellent.

<https://www.historylearningsite.co.uk/nazi-germany/>

Unit 2:

<https://spartacus-educational.com/2WWappeasement.htm>

https://www.johndclare.net/peace_treaties1.htm
https://www.johndclare.net/league_of_nations1.htm
<https://www.johndclare.net/RoadtoWWI1.htm>

Unit 3:

<https://www.bbc.co.uk/bitesize/topics/zx3fnbk> phenomenally good resource

Unit 4:

<https://spartacus-educational.com/STUcharles2.htm>

<https://spartacus-educational.com/STUrestoration.htm>

Books (Academic):

A Short History of England Simon Jenkins

A Short History of Slavery James Walvin

Books (Fiction):

The Book Thief.

The Children of the New Forest

Restoration Rose Tremain's novel

Journals:

Both of these are A level journals but still very useful. You will need to 'experiment' with search terms as they are packed with lots of articles and you could easily feel overwhelmed. Be prepared to have a rootle.

Suitable for units 1 and 2

'Modern History Review' – available through Phillip Allan Online Articles, clickable link on library homepage

Suitable for all 4 units

History Today – details accessible through library homepage

Other extension ideas:

BBC MINI SERIES – Charles the power and the passion

- <https://www.bbc.co.uk/teach/gcse-national-5-history/zb2skmn-> watch any video that interests you on this link, or any video that interests you here or here <https://www.bbc.co.uk/programmes/genres/factual/history> (but check with parents first for this second link). Make notes on:
 - 3 new facts I've learned

- 2 questions about this that I now have
- 1 thing I'm going to find out next about this
- Take a free online course from top American universities on ANYTHING historical:
 - <https://www.edx.org/>
 - <https://www.coursera.org/>

BBC History podcasts

<https://www.bbc.co.uk/programmes/p01dh5yg/episodes/downloads>

<https://www.historylearningsite.co.uk/modern-world-history-1918-to-1980/>

The British – Sky Atlantic

HORRIBLE HISTORIES – visit the website, learn the songs, teach yourselves the moves. **HAVE HORRIBLE FUN!**

MATHEMATICS

MyMaths (www.mymaths.co.uk)

The entirety of the GCSE course is on MyMaths, with online lessons and homework tasks. To ensure you are following the right course, be sure to select "GCSE 9-1 (England)" in the drop down menu under "Select Curriculum".

Whole school username: derbyhigh

Whole school password: decagon

Student username: SPECIFIC TO STUDENT – email maths@derbyhigh.derby.sch.uk if you need it

Student password: SPECIFIC TO STUDENT – email maths@derbyhigh.derby.sch.uk if you need it

Dr Frost Maths (www.drfrostmaths.com)

DFM is a very thorough website with past papers but also with materials from varied sources such as the UK Maths Trust.

Students have their own login usernames and passwords

Email maths@derbyhigh.derby.sch.uk if you need these

10ticks (Students: <https://www.10ticks.co.uk/ClassLogin>)

10ticks is a full set of printable worksheets for KS3 through to KS5. These worksheets are generally not available to students, however teachers may choose to assign worksheets to the year group via 10ticks. There is one set of login details for Upper 5.

Username: dhsu5

Password: Decagondhsu5 (upper case D)

Common/popular YouTube channels

MrHegartyMaths: <https://www.youtube.com/user/HEGARTYMATHS>

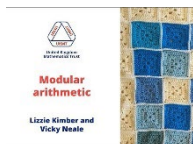
UKMathsTeacher: <https://www.youtube.com/user/schoolmaths>

CorbettMaths: <https://www.youtube.com/user/corbettmaths>

ExamSolutions (A level mainly): <https://www.youtube.com/user/ExamSolutions>

Going a bit further you may like these YouTube channels, including UK Maths Trust where you can watch the recording of the recent webinar we showed in school!

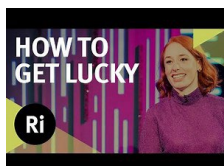
- 3Blue1Brown: https://www.youtube.com/channel/UCYO_jab_esuFRV4b17AJtAw - start by checking out the video about how prime numbers can make unexpected patterns (<https://www.youtube.com/watch?v=EK32jo7i5LQ>)
- Numberphile: <https://www.youtube.com/user/numberphile> - how about a video about the Enigma machine by the brilliant Dr James Grime (https://www.youtube.com/watch?v=G2_Q9FoD-oQ)
- The Royal Institution: <https://www.youtube.com/user/TheRoyalInstitution> - they are famous for the Christmas lectures, which were on Maths last year (<https://www.youtube.com/watch?v=q4DrUHKCOQ>)
- UK Maths Trust: https://www.youtube.com/channel/UCz_D5xFMlpO5G7qTXImNCLQ - the webinar is here (<https://www.youtube.com/watch?v=ZnAW3IQNhTw>)



[UKMT webinar: Modular arithmetic](#)

Facilitated by Lizzie Kimber and Vicky Neale. This webinar will introduce modular arithmetic, a beautiful and powerful way of thinking that is important in number theory, and more broadly in mathematics, computer science and cryptography. We'll explore multiplication tables, looking for patterns and structure, and will think about how modular ...

www.youtube.com



[Christmas Lectures 2019: How to Get Lucky - Hannah Fry](#)

In the first lecture of the 2019 Christmas Lectures, Hannah Fry explores how mathematical thinking and probability can allow us to understand and predict complex systems - even helping us to make our own luck. Watch more Christmas Lectures:

<http://www.rigb.org/christmas-lecture...> Hannah Fry is the 2019 Christmas Lecturer. She is an Associate ...

www.youtube.com



[The Royal Institution - YouTube](#)

Videos to make you think more deeply about science.

Explosive short films, full length talks from the world's leading scientists and writers, and videos to c...

www.youtube.com

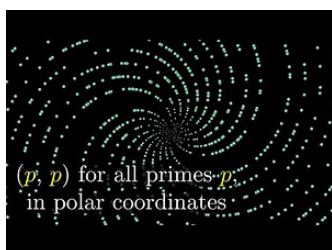


[158,962,555,217,826,360,000 \(Enigma Machine\) - Numberphile](#)

The Nazi's Enigma Machine - and the mathematics behind it - was a crucial part of World War II. Flaw video at:

<http://www.youtube.com/watch?v=V4V2bpZlqx8> More links & stuff in full description below ↓↓↓ Brown papers on ebay: bit.ly/brownpapers Dr James Grime demonstrates the machine and discusses its many configurations. James' "day job ...

www.youtube.com



[Why do prime numbers make these spirals?](#)

A story of mathematical play. Home page:

<https://www.3blue1brown.com> Brought to you by you: <http://3b1b.co/spiral-thanks> Based on this Math Stack

Exchange post:

<https://math.stackexchange.com/questions/885879/meaning-of-rays-in-polar-plot-of-prime-numbers/885894> Want to learn more about rational approximations? See this Mathologer video. <https://www.youtube.com>

www.youtube.com

MUSIC

Suggested consolidation material:

- Bowman D and Jenkins — Dictionary of Music in Sound (Rhinegold, 2002) ISBN 9780946890873

Useful websites and documents:

- <https://www.bbc.co.uk/bitesize/examspecs/z6chkmn> - All of the set works for Edexcel GCSE are covered plus some extras, music theory and plenty of other useful tools.
- **Teoria.com** – Amazing resource for everything theory based. You can complete tutorials and then take quick tests. Particularly useful for the following: Melodic dictation, harmonic understanding.
- **Imslp.com** – **cpld.org** – brilliant resources for scores. If you want to print a score of a symphony and practise analysing it, these are the places to look. For popular music and more recent classical that may still be under copyright try searching the piece in youtube and adding the word “score”. That often brings up a score for you to follow.
- **Derbyhigh.musicfirst.co.uk** – Please see Mr Dobney for a username / password if you are unable to access this site. Musicfirst is a complete music education site, perfect for extension work, home learning and self-testing. You can access material on all of the topics studied at GCSE (Pearson Edexcel) and also work on building up musical listening and analysis skills. There are dedicated GCSE tabs.
- <https://qualifications.pearson.com/en/qualifications/edexcel-gcses/music-2016.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FTeaching-and-learning-materials> – here you can find a support document for each of your set works. If you cannot find them, email a music teacher and we will send them on to you.

Stay in close contact with the music staff and always ask questions if you unsure or need some direction.

PHYSICS

Suggested consolidation material:

Past papers are one of the best ways of consolidating your learning at iGCSE/ These, as well as specifications and links to practical consolidation can all be found at <https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-physics-2017.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FSpecification-and-sample-assessments>

or just google iGCSE physics edexcel past papers!

- There are a number of Physics textbooks (different to those used in lessons) and revision guides in the Physics lab which may be borrowed.
- Physics for you by Keith Johnson is perhaps the best of these- you can access this online <http://www.physics4u.co.uk/>
- There are websites listed on topic sheets which can help approach learning in different ways using videos and diagrams and blogs- some of the most common are listed below

As always with websites, they cover a wide variety of exam boards- make sure you stick to what you learn in class and use your notes alongside these to avoid confusion and contradiction.

- <https://www.physicsandmathstutor.com/physics-revision/igcse-edexcel/> This is a site full of revision and past papers
- <https://studywise.co.uk/gcse-revision/physics/>- a site with great mind maps to help you see physics (especially the trick bits) in a completely different way
- <http://www.s-cool.co.uk/a-level/physics>
- <http://www.physics.org/>
- <http://www.cyberphysics.co.uk/index.html>
- <https://revisionworld.com/gcse-revision/physics>
- furreyelephant.com

Log in to physics username dhs, password electron

We have a free login to this- Loads of really useful revision and tests on radioactivity and electricity

Most importantly please remember that Mrs. Orr and Dr. Bhattacharyya can be contacted by email when you have any questions or issues. Please do not hesitate to get in touch.

Suggested extension material:

- Isaac Physics is a MOOC (Massive Open On-line Course) focussing on developing problem solving skills in physics. Here you will find every possible extension question you need across all topics and right up to university level. These are marked online for so progress can be charted and help with issues such as significant figures and rearranging equations which are common to all topics. You all have a login so continue to use this as this is the best physics extension resource currently out there.

<http://isaacphysics.org>

- Many of the topics at iGCSE are extended at A Level and are good for stretching and challenging. These can be found at <https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408>
- Advanced Physics for you by Keith Johnson (and others) Pub: Oxford
- Use Physics Review magazines. We have a subscription and the back copies available on Accessit and they are indexed. They always include an article on how to do Physics questions and these are referenced to up to date Physics.

PHYSICAL EDUCATION

Suggested consolidation material:

- Honeybourne: Advanced PE and Sport
- Honeybourne: Advanced Physical Education and Sport for A Level
- Galligan: Advanced PE for Edexcel

Component 1:

- Topic 1: Applied anatomy and physiology
- Topic 2: Movement analysis
- Topic 3: Physical training
- Topic 4: Use of data

Component 2:

- Topic 1: Health, fitness and well-being
- Topic 2: Sport psychology
- Topic 3: Socio-cultural influences
- Topic 4: Use of data

Other useful websites/resources that cater for both component areas:

- Revisit video links that have been sent to you in GCSE lesson powerpoints over the course, and for tasks to revisit.
- <https://www.bbc.co.uk/bitesize/examspecs/zxbg39q> - this BBC Bitesize website has resources (notes, videos, quizzes) on topics from both Components that could benefit you.
- <https://www.brianmac.co.uk/>
- <https://www.topendsports.com/>

Suggested extension material:

- McArdle: Essentials of exercise physiology
- Coakley: Sport in Society – Issues and Controversies
- Mottram: Drugs in Sport
- Cashmore: Sport Psychology
- Please see a member of the PE Department if you wish to borrow any.

Extension activities:

- Revisit past papers, tests, quizzes as you have the mark schemes for these. There are also a number of these on the shared area.
- Create flashcards as a revision tool from your notes.

- Read the sports pages in the newspapers.
- Read the sport headlines on the red button.
- [BBC Sounds - Sport Podcasts](#)

Getting Active

Here are some on-line activities you can do at home:

- Yoga - https://www.youtube.com/results?search_query=yogawithadriene.com+youtube
- HIIT- <https://www.youtube.com/user/thebodycoach1>
- General workouts <https://www.popsugar.co.uk/Workouts>
- 5k training <https://www.nhs.uk/live-well/exercise/couch-to-5k-week-by-week/>
- Sweat with Kayla – Free app on iPhone and Android
- FITON App – Free app on Iphone and Android

RELIGIOUS STUDIES

Suggested consolidation materials:

- 1.
2. **Text books** (the following books are endorsed by Edexcel and include exam practice questions, revision tips and additional activities – all GCSE students have their own copies):
 - Beliefs in Action
 - Religion, Peace and Conflict through Islam

Religion and Ethics through Christianity

Revision Guides:

There are a variety of recommended revision guides in X1 which students are invited to look at before choosing which to purchase. Student need to be careful to purchase revision guides that suit the specific specification we are studying.

Supercurricular Teams Page

- **GCSE and A Level students are included in the RS supercurricular Teams page where teachers post links to articles of interest to supplement their wider knowledge of issues studied at GCSE and A Level**

Films, TV and books

Many films link very well to philosophy and ethics such as 'Million Dollar Baby' for the topic of euthanasia or 'The Good Place' a TV series about ethics and the afterlife. Ask Miss Wilson for her film and TV recommendations list.

The library has a wealth of fiction and non-fiction books and articles relevant for studies in RS/Philosophy and Ethics. Use Accessit to find relevant material.

Suggested extension activities:

- Find out about Christian and/or Muslim organisations which support families
- Explore Christian places of pilgrimage
- Research the Muslim pilgrimage to Mecca (Hajj)
- Find out about important Christian religious celebrations and why they are important to Christians today
- Find out about important Muslim religious celebrations and why they are important to Muslims today
- Comment on any similarities/differences between these celebrations
- Research famous Christians and Muslims who have worked for peace
- Research Christian and Muslim organisations which promote peace in today's world
- Explore Christian and Muslim organisations which help the poor

SPANISH

Suggested consolidation and extension material:

- Languages Online
- Quizzlet
- www.elmundo.es
- www.20minutos.es
- www.elpais.es
- www.diariosur.es
- www.20minutos.es
- Radio Nacional de España www.rne.es
- Televisión Española: www.rtve.es

Suggested extension material:

Newspapers

- El Mundo
- El País

Film

- Netflix: There are loads of films and series where you can change the language and you can set up the subtitles.

Literature

- [Paco Ardit- colección de libros a diferentes niveles.](#)
- I burlador de Sevilla - Tirso de Molina
- El medico de su honra – Calderón
- Fortunata y Jacinta – Pérez Galdós
- Bodas de Sangre/Yerma/ La casa de Bernarda Alba – Lorca
- La colmena – Cela
- Campos de Castilla – Machado
- 20 poemas de amor y una canción desesperada - Neruda
- La casa de los espíritus – Isabel Allende
- Cien años de soledad – Márquez
- El coronel no tiene quien le esciba – Márquez
- Crónica de una muerte anunciada – Márquez
- Lecturas para mujeres – Gabriela Mistral
- El llano en llamas – Juan Rulfo
- El reino de este mundo - Alejo Carpentier
- La casa verde - Mario Vargas Llosa
- Ficciones - Borjes
- La sombra del viento/el juego del angel/ El prisionero del cielo/ - Zafón

DRAMA

Suggested consolidation and extension material:

- BBC Bitesize has exam board specific revision. Revise here:
<https://www.bbc.co.uk/bitesize/examspecs/zrniwtj>
- Watch revision videos on You Tube:
https://www.youtube.com/results?search_query=aqa+gcse+drama
- Read and do activities from your AQA coursebooks: Noughts and Crosses and GCSE drama.
- Search for performances you have seen on you tube, and watch trailers, interviews and analysis by the cast and creative teams. For example:
[Frantic Assembly I Think We Are Alone Trailer Subtitled – YouTube](https://www.youtube.com/results?search_query=kindertransport+nottingham+playhouse)
https://www.youtube.com/results?search_query=kindertransport+nottingham+playhouse
https://www.youtube.com/results?search_query=an+enemy+of+the+people+nottin+gham+playhouse
https://www.youtube.com/results?search_query=splendid+faustus
- Search for podcasts: theatre companies often make these, and you may find them for plays and productions you've seen via the theatre the show was performed at:
<https://www.nottinghamplayhouse.co.uk/about-us/nottingham-playcast/>
- Search the British Library putting in key words such as devising, drama, theatre, Stanislavski and Brecht. Read articles and books online:
<https://www.bl.uk/20th-century-literature/themes/theatre-practitioners-and-genres>
http://explore.bl.uk/primo_library/libweb/action/dlSearch.do?vid=BLVU1&institution=BL&search_scope=LSCOP-WEBSITE&query=any,contains,frantic+assembly&tab=website_tab
- Search Gresham Lectures to find drama and theatre lectures that interest you. For example:
<https://www.gresham.ac.uk/lectures-and-events/theatre-and-individualism-henrik-ibsen-a-dolls-house>
- Watch plays and drama on BBC iPlayer:
<https://www.bbc.co.uk/iplayer/episodes/p082w992/noughts-crosses>

Research theatre companies on the internet; many have exciting and innovative packs of workshops and ideas to use. Try companies like Kneehigh, Frantic assembly

and Shared Experience: [Frantic Digital](#) | [Frantic Assembly](#) Frantic Digital offers warm up and solo practical activities. If you are performing in a particular style for unit 4, you may wish to look up companies who perform in that style (e.g. Feminism = Monstrous Regiment)

- Go to the theatre and make notes about innovative things that you have seen, in both design and performance;

- Watch theatre online or at the cinema. The school subscribes to the National Theatre Collection, which has a large variety of productions, interviews, and resources. See Mrs Supran for logon details. The Quad regularly shows high quality recorded performances.

- Make use of your kindle and read a good play:
 - Oedipus the King – Sophocles
 - Trojan Women - Euripides
 - Shakespeare – The Tempest
 - Shakespeare – Hamlet
 - Shakespeare – As You Like It
 - Marlowe – Dr. Faustus
 - The Revenger’s Tragedy – Middleton
 - The Duchess of Malfi – Webster
 - The Alchemist – Jonson
 - The Way of the World – Congreve
 - The Rover - Aphra Behn
 - The Country Wife – Wycherley
 - Hedda Gabler – Ibsen
 - The Seagull – Chekhov
 - Three Sisters - Chekhov
 - Miss Julie – Strindberg
 - A Woman Of No Importance – Wilde
 - Lady Windermere’s Fan – Wilde
 - An Ideal Husband - Wilde
 - Mrs Warren’s Profession – Shaw
 - Pygmalion – Shaw
 - Caucasian Chalk Circle – Brecht
 - The Resistable Rise of Arturo Ui – Brecht
 - Mother Courage and her children - Brecht
 - Journey’s End – Sherriff
 - Private Lives – Coward
 - Blithe Spirit – Coward
 - Blood wedding – Lorca
 - The House of Bernarda Alba – Lorca
 - Arsenic and Old Lace – Kesselring
 - The Glass Menagerie – Williams
 - A Streetcar named Desire – Williams
 - All my Sons – Miller
 - The Crucible – Miller

- Waiting for Godot – Beckett
- The Entertainer – Osbourne
- Look Back in Anger – Osbourne
- Who’s Afraid of Virginia Woolf? - Albee
- The Dumb Waiter – Pinter
- The Birthday Party – Pinter
- The Caretaker – Pinter
- Top Girls - Churchill
- Cloud 9 – Churchill
- Kindertransport – Diane Samuels
- Widows – Dorfman/Kushner
- Talking to Terrorists – Robin Soans
- The Woman in Black – Stephen Mallatratt
- Jane Eyre – Polly Teale
- Two Marias – Bryony Lavery
- Colder Than Here – Laura Wade
- Like A Virgin – Gordon Steele
- Crave – Sarah Kane
- Blue Stockings – Jessica Swale
- The Thrill of Love – Amanda Whittington
- Chatroom – Enda Walsh
- Eight – Ella Hickson
- Find Me – Olwen Wymark
- The Memory of Water – Shelagh Stephenson
- <https://www.dialectsarchive.com/> visit this website and practice an accent

ICT

- Record a video diary about this unprecedented time in history. Use software of your choice to edit it into a professional looking final product.
- Use Sketch Up to make a new 3D design, building on your previous work in Sketch Up. This can be used online for free [here](#), after you have signed up for a free account.
- Using Scratch (available online [here](#)), Kodu (free download [here](#)) or a programming language of your choice, design a game. For an extra challenge, use App Inventor 2 (available for free online [here](#)), which you will have to learn from following tutorials. Games made in app inventor can put on any android device, or if you pay a £20 can be published to the Play Store. You could even try selling what you have made!
- A professional and free piece of software for making animations is Blender (available [here](#)). There are many tutorials online and developing skills in this advanced software would be a string in anyone's bow who is interesting in graphic design or animation.