



DLD
COLLEGE
LONDON

ESTABLISHED 1931

DEVELOPING YOUR LEARNING : LOWER SCHOOL

WELCOME TO DLD COLLEGE LONDON

At DLD College London, we aim to help you develop your potential and achieve excellence. One of the key elements to ensure your success is careful preparation.

TAKING THE LEAD WITH YOUR LEARNING!

We have compiled this introductory booklet to help you gain an understanding of the GCSE subjects you have chosen and to show you the bigger picture. Developing a love of learning is exciting and we want to be part of your journey so that you have the best learning experience at DLD College London. Looking at some academic material before starting the course will help you feel more confident and assured.

There is no need to purchase any textbooks before you join us as your teachers will give you the necessary ones when you arrive in class. Instead, enjoy viewing and reflecting on the material your teachers have gathered to whet your appetite and fuel your curiosity.

We are looking forward to getting to know you and very much hope you enjoy your time at DLD College London.

Marie-Do Reza

Vice Principal (Academic)

INDEX

Art & Design	4	French	23
Biology	6	Geography	25
Chemistry	8	History	27
Computer Science	10	Mathematics	29
Drama & Theatre Studies	14	Music	31
Economics	16	Physics	33
English Language & Literature	18	Sociology	35
Film Studies	20	Spanish	37

ART & DESIGN



GCSE ART & DESIGN (AQA)

SUBJECT: Art, Craft & Design

VIDEOS:

The School of Life: What is Art for?

<https://www.youtube.com/watch?v=snobDD4gXrE>

Tate Shots: Why Study Art?

<https://youtu.be/vKjkkx6PzajE>

Messmer's Musings: What makes something art?

<https://www.youtube.com/channel/UCpfM9MWA-MbbvyXrh4YvS6g>

PUBLICATIONS:

TATE ETC. ISSUES (an art magazine published three times a year by Tate)

<http://www.tate.org.uk/tate-etc/issues>

Aesthetica Magazine

<http://www.aestheticamagazine.com>

WEBSITES:

National Portrait Gallery collection

<https://www.npg.org.uk/collections/explore/>

Take a tour of The Courtauld Gallery with actor Bill Nighy.

<https://courtauld.ac.uk/gallery/collection/watch>

5 Art Magazines Accounts to Follow on Instagram

<https://blog.feralhorses.co.uk/5-art-magazines-accountsto-follow-on-instagram-fa343969ce48/>



BIOLOGY





GCSE:

OCR BIOLOGY A (GATEWAY)

<http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-biology-a-j247-from-2016/specification-at-a-glance/>

<http://www.ocr.org.uk/Images/234594-specification-accredited-gcse-gateway-science-suite-biology-a-j247.pdf>

WATCH:

Becoming Human Episode 1

<https://www.youtube.com/watch?v=UFu7yghK9GQ>

Body Story Episode 7

<https://www.youtube.com/watch?v=UWrGz9tIZjI&t=os&index=3&list=PL2D816042F5B7DA99>

LOOK AROUND:

BBC Bitesize – GCSE Biology (single science) – OCR gateway

<https://www.bbc.com/education/examspecs/z3dj82p>

Download the iCell app and explore the structure of the 3 cells

READ:

Found: a new form of DNA

<https://www.sciencedaily.com/releases/2018/04/180423135054.htm>

Early detection of Type 2 Diabetes

<https://www.sciencedaily.com/releases/2018/04/180416142453.htm>

CHEMISTRY



GCSE:

OCR CHEMISTRY A (GATEWAY)

<http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-chemistry-a-j248-from-2016/specification-at-a-glance/>

<http://www.ocr.org.uk/Images/234598-specification-accredited-gcse-gateway-science-suite-chemistry-a-j248.pdf>

WATCH:

Periodic Table

<https://www.youtube.com/watch?v=r4RME2BpKPI>

Bonding

<https://www.youtube.com/watch?v=Rog-H1dcfnY>

LOOK AROUND:

BBC Bitesize – GCSE Chemistry (single science) – OCR gateway

<https://www.bbc.com/education/examspecs/z92x7hv>

Learn about the elements

<http://ed.ted.com/periodic-videos>

READ:

Ozone Layer Depletion And Global Warming

<https://myassignmenthelp.com/free-samples/ozone-layer-depletion-and-global-warming>

The problems with plastics

http://www.bbc.co.uk/news/business-43901328?intlink_from_url=http://www.bbc.co.uk/news/topics/c6lpgw3oolt/plastic-pollution&link_location=live-reporting-story



COMPUTER SCIENCE



SUBJECT: Computer Science

YEAR/COURSE: GCSE

SUMMARY: GCSE Computer Science is an introduction to a broad range of foundational concepts required for anyone looking to progress to an undergraduate degree. You will develop problem solving skills with an emphasis on Computational Thinking; Decomposition, Abstraction, Patterns and Algorithms. You will gain an understanding of the fundamental aspects of Computing, including the Theory of Computing Systems and Architectures, Computer Programming, the application of Software Lifecycle Methodologies and the Object-Orientated Paradigm. Additionally, you will see how Computing has an impact on the whole of society and how its use will have social, ethical and legal consequences.

BOOKS:

Computational Fairy Tales, by Jeremy Kubica. ISBN: 978-1477550-298 (The Principles of Computational Thinking)

Artificial Intelligence: A Ladybird Expert Book, by Michael Wooldridge.
ISBN: 978-0718188-757

Computer Science: An Overview, by J. Glenn Brookshear. ISBN: 978-0321544-285

Code: The Hidden Language of Computer Hardware and Software, by Charles Petzold. ISBN: 978-0735611-313

The Pattern on the Stone: The Simple Ideas That Make Computers Work, by Daniel Hillis. ISBN: 978-0465025-961

Outnumbered: From Facebook and Google to fake news and filter-bubbles – the algorithms that control our lives, by David Sumpter. ISBN: 978-1472947-413

AI: Its Nature and Future, by Margaret A. Boden. ISBN: 978-0198777-984



Algorithmic Puzzles, by Anany Levitin and Maria Levitin. ISBN: 978-0199740-444

The New Turing Omnibus, by A Kee Dewdney. ISBN: 978-0805071-665, (Mini articles on Computer Science topics)

Discrete Mathematics for Computing, by Peter Grossman (3rd edition).
ISBN: 978-0230216-112

Algorithmics: The Spirit of Computing, by David Harel. ISBN: 978-0321117-847

USEFUL LINKS:

Project Euler – A series of challenging Mathematical/Computer programming problems.

<https://projecteuler.net/>

GeomLab – An interactive introduction to some of the most important ideas in Computer Programming, by the Department of Computer Science, University of Oxford.

<http://www.cs.ox.ac.uk/geomlab/>

VIDEOS:

https://www.ted.com/talks/tom_griffiths_3_ways_to_make_better_decisions_by_thinking_like_a_computer

https://www.ted.com/talks/john_graham_cumming_the_greatest_machine_that_never_was

https://www.ted.com/talks/roger_antonsen_math_is_the_hidden_secret_to_understanding_the_world

https://www.ted.com/talks/george_dyson_the_birth_of_the_computer

https://www.ted.com/talks/george_dyson_the_birth_of_the_computer

https://www.ted.com/talks/jennifer_golbeck_your_social_media_likes_expose_more_than_you_think

https://www.ted.com/talks/kwabena_boahen_a_computer_that_works_like_the_brain

https://www.ted.com/talks/aaron_koblin_visualizing_ourselves_with_crowd_sourced_data



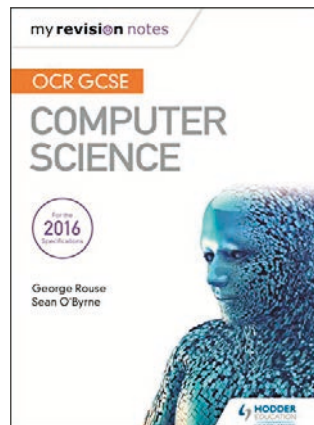
COURSE TEXTBOOKS:



OCR GCSE (9-1) J277 Computer Science Paperback: ISBN: 978-1-910523-21-6

Author(s): PG Online **Publisher:** PG Online

This book provides a comprehensive and accessible text for students, covering Papers 1 and 2 in the latest OCR GCSE J277 Computer Science specification. It is divided into eight sections. Sections 6 and 7 of the textbook cover Algorithms and Programming Fundamentals, with a theoretical approach to provide students with experience of writing, tracing and debugging pseudocode solutions without the aid of a computer. These sections complement practical programming experience. Each of the eight sections cover one of the major topics in this course and each subtopic contains sample examination questions from past papers.



OCR GCSE Computer Science My Revision Notes: ISBN: 978-1-471886-65-2

Author(s): George Rouse **Publisher:** Hodder Education

This book provides guidance to ensure a thorough understanding Computer Science by combining topic coverage with a variety of “Test Yourself” activities and formal exam-style questions. Makes revision manageable by condensing topics into easy-to-revise chunks with handy end-of topic summaries

Enables students to plan and pace revision. Improves Computing vocabulary by providing definitions of Key Terms.

DRAMA & THEATRE STUDIES



DRAMA GCSE

WJEC/Eduqas exam board.

<https://www.amazon.co.uk/Eduqas-Drama-Study-Revision-Guide/dp/1912820277/>

[ref=sr_1_1?crid=1VLYQSTSAoY73&dchild=1&keywords=wjec+drama+gcse&qid=1589380149&prefix=wjec+drama+gcse%2Caps%2C176&sr=8-1](https://www.amazon.co.uk/Eduqas-Drama-Study-Revision-Guide/dp/1912820277/?ref=sr_1_1?crid=1VLYQSTSAoY73&dchild=1&keywords=wjec+drama+gcse&qid=1589380149&prefix=wjec+drama+gcse%2Caps%2C176&sr=8-1)

PUBLICATIONS

Romeo and Juliet William Shakespeare (Wordsworth: ISBN 978-1-84022-433-7)

100 Imaginary Body (Nick Hern Books: ISBN 978-1-85459-737-3)

1984 (George Orwell), adapted Robert Icke and Duncan Macmillan (Oberon Modern Plays: ISBN 978-1-78319-061-4)

Two Faces Manon Steffan Ros (Canolfan Peniarth, ISBN 978-1-78390-084-8)

The Shadow of the Sickle (Islwyn Ffowc Elis), adapted Sion Eirian (Gomer: to be made available as a digital download on the WJEC secure website)



ECONOMICS



SUBJECT: Economics

YEAR/COURSE: GCSE

VIDEOS:

RSA Animate: Economics is for Everyone!

<https://www.youtube.com/watch?v=NdbbcO35arw>

ACDC Economics

<https://www.youtube.com/watch?v=2izx5W1FAEU>

PUBLICATIONS:

Guardian Economics

<https://www.theguardian.com/business/economics>

BBC Economy

<http://www.bbc.co.uk/news/business/economy>

WEBSITES:

tutor2u

<https://www.tutor2u.net/economics/topics>

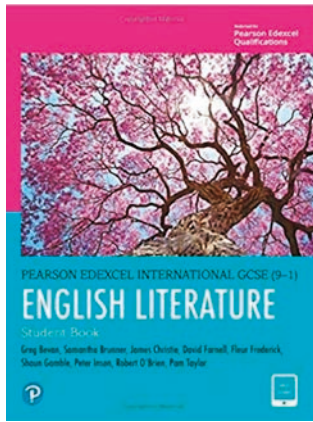
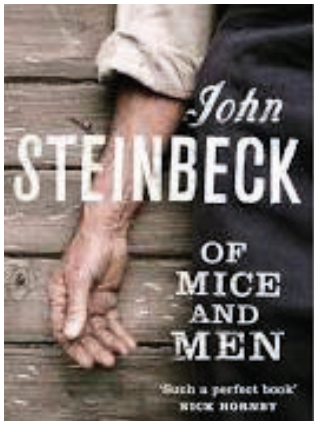
Freakonomics

<http://freakonomics.com/archive/>



ENGLISH LANGUAGE & LITERATURE





IGCSE English and IGCSE English Literature:

This is the textbook IGCSE Edexcel English Language that we use.

https://www.amazon.co.uk/Edexcel-International-English-Language-Student/dp/0435182560/ref=pd_lpo_14_img_1/257-5758805-2577630?_encoding=UTF8&pd_rd_i=0435182560&pd_rd_r=6b3b85fe-dbb5-4719-9341-49a1d3604343&pd_rd_w=y1Q3S&pd_rd_wg=8FgFb&pf_rd_p=7b8e3b03-1439-4489-abd4-4a138cf4eca6&pf_rd_r=NMD3ERN6CoMJ7GDZGo4K&pvc=1&refRID=NMD3ERN6CoMJ7GDZGo4K

For IGCSE English you will study a wide variety of really engaging and lively non-fiction texts.

Here is a link to one of those non-fiction texts read by the author. It's about the dangers of simplifying or stereotyping people who are different from ourselves.

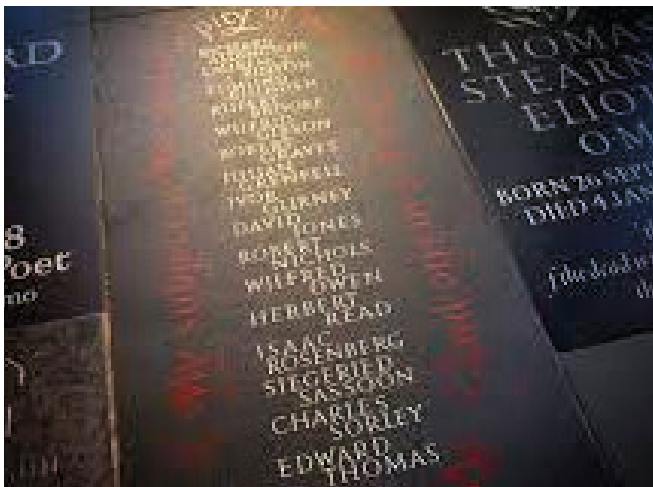
<https://www.youtube.com/watch?v=D9Ihs241zeg>

To learn about the life and times of William Shakespeare before you come to DLD College take a look at this link.

<https://www.rsc.org.uk/shakespeares-life-and-times>

Ten Things to Do to prepare for GCSE English Language and Literature before coming to DLD College.

<https://dzhb95zppc7kr.cloudfront.net/wp-content/uploads/2020/04/10-Things-to-do-to-Prepare-for-GCSE-English.pdf>



For English Literature you will be studying a Shakespeare play, a novel or short stories and poetry.

FILM STUDIES



SUBJECT: Film Studies

YEAR/COURSE: GCSE

BOOKS:

Eduqas GCSE Film Studies by (Auth by Jackie Newman (Author), Dave Fairclough (Author), Kelly Fincham (Author), Julie Patrick (Author)or) Illuminate Publishing

Film Studies: The Essentials: Teach Yourself Paperback – by Warren Buckland (Author)

Filmish: A Graphic Journey Through Film Paperback – by Edward Ross (Author), Jean-Pierre Biffi (Author)

VIDEOS:

GCSE Film Studies: Eduqas Timeline of Key Developments in Film and Film Technology

<https://www.youtube.com/watch?v=g-WuZisCiz0>

Shot sizes in cinema and film studies: an introduction, with examples and explanations

<https://www.youtube.com/watch?v=VE5qsNQaSZI&t=469s>

Camera Movements: an introduction, with examples and explanations.

<https://www.youtube.com/watch?v=9LkKgoq584M&list=PLeNerb9lxe3lNopWM1pjjcZ6GwePiAT8>



WEBSITE:

BBC GCSE Bitesize

<https://www.bbc.co.uk/bitesize/guides/z9hrwxs/revision/1>

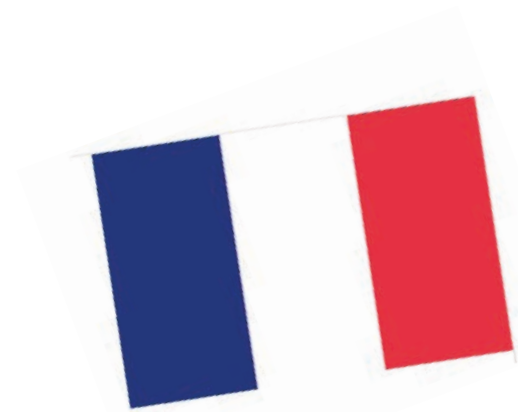
MAGAZINE:

Empire



FRENCH





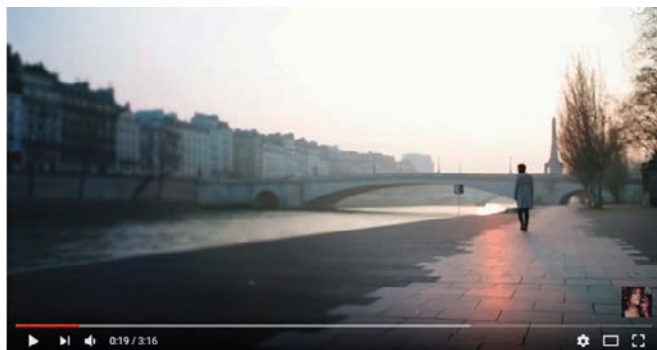
Getting students ready in French IGCSE:

Preparatory tasks and reading material

TEXTBOOK:

This is the textbook IGCSE Edexcel French that we use.

<https://www.hoddereducation.co.uk/subjects/languages/products/14-16/edexcel-international-gcse-french-student-book-sec>



VIDEOS:

Grammar objective: Revising present tense

Song : Zaz, sous le ciel de Paris

<https://www.youtube.com/watch?v=ydtryV65UGk>

Topic: Self, family and friends - Home and abroad

<http://enseigner.tv5monde.com/fle/voyages-816>



USEFUL LINKS:

(Provides a variety of useful language resources including links to online French cartoons/ shorts videos, quiz, games)

http://jeunesse.tv5monde.com/?utm_source=tv5monde&utm_medium=metanav&utm_campaign=divertissement_jeunesse

(Grammar courses and exercises + reading material)

<http://www.bonjourdefrance.com/grammaire-francaise/exercice-debutant>

GEOGRAPHY





We will be following the Cambridge international examinations at both GCSE and A-levels.

SUBJECT: Geography

YEAR/COURSE: GCSE

PUBLICATIONS:

(Text book)

Cambers, G. and Sibley, S.: **Cambridge IGCSE Geography Coursebook**, ISBN 978-1-107-45894-9

WEBSITES:

(This website summarises most of the syllabus and relevant videos are embedded.)

<https://kisigcsegeography.wordpress.com/>

HISTORY



SUBJECT: History

At GCSE, you will study International Relations from 1918 to 41 and then International Relations from 1945 to 1962.

You will also study the Russian Revolution and military tactics and technology from the 1930s to the 21st century.

USEFUL LINKS:

BBC Bitesize-History:

<https://www.bbc.co.uk/education/topics/zwbysg8>

Test your knowledge.

<https://www.tutor2u.net/history/blog/gcse-history-revision-quizzes>



MATHEMATICS



SUBJECT: Mathematics

YEAR/COURSE: GCSE

BOOKS:

George F. Simmons, **Precalculus Mathematics in a Nutshell: Geometry, Algebra, Trigonometry**, Resource Publications, 2003.

Alex Bellos, **Alex's Adventures in Numberland**, Bloomsbury, 2011.

USEFUL LINKS:

<http://corbettmaths.com>

<http://www.thechalkface.net/resources.html>

VIDEOS:

https://www.ted.com/talks/roger_antonsen_math_is_the_hidden_secret_to_understanding_the_world

<http://www.numberphile.com/>

YOUTUBE CHANNELS:

Mathologer

https://www.youtube.com/channel/UC1_uAIS3r8Vu6JjXWvastJg

3Blue1Brown

https://www.youtube.com/channel/UCYO_jab_esuFRV4b17AJtAw



MUSIC



MUSIC PREPARATION TASKS

SUBJECT: Music

YEAR/COURSE: GCSE

VIDEOS: MUSICAL PERFORMANCES AT DLD COLLEGE

Christmas Concert 2019:

<https://youtu.be/9UlQo9ZtMXU>

<https://youtu.be/YLUaeA-aVXU>

<https://youtu.be/Du-711NdX9E>

<https://youtu.be/tGrcpHsNmwo>

https://youtu.be/cyPAUtoH_QA

Composing tutorial

<https://www.youtube.com/playlist?list=PL341D841389B2FEC7>

PUBLICATIONS:

WJEC/Eduqas GCSE Music Revision Guide

https://www.amazon.co.uk/WJEC-Eduqas-Music-Revision-Guide/dp/1911208411/ref=sr_1_1?s=books&ie=UTF8&qid=1535620647&sr=1-1&keywords=eduqas+gcse+music

https://www.amazon.co.uk/WJEC-Eduqas-Music-Revision-Guide/dp/1785582151/ref=sr_1_2?s=books&ie=UTF8&qid=1535621413&sr=1-2&keywords=GCSE+Music+Eduqas+revision+guide

WEBSITES:

BBC Bite size GCSE MUSIC

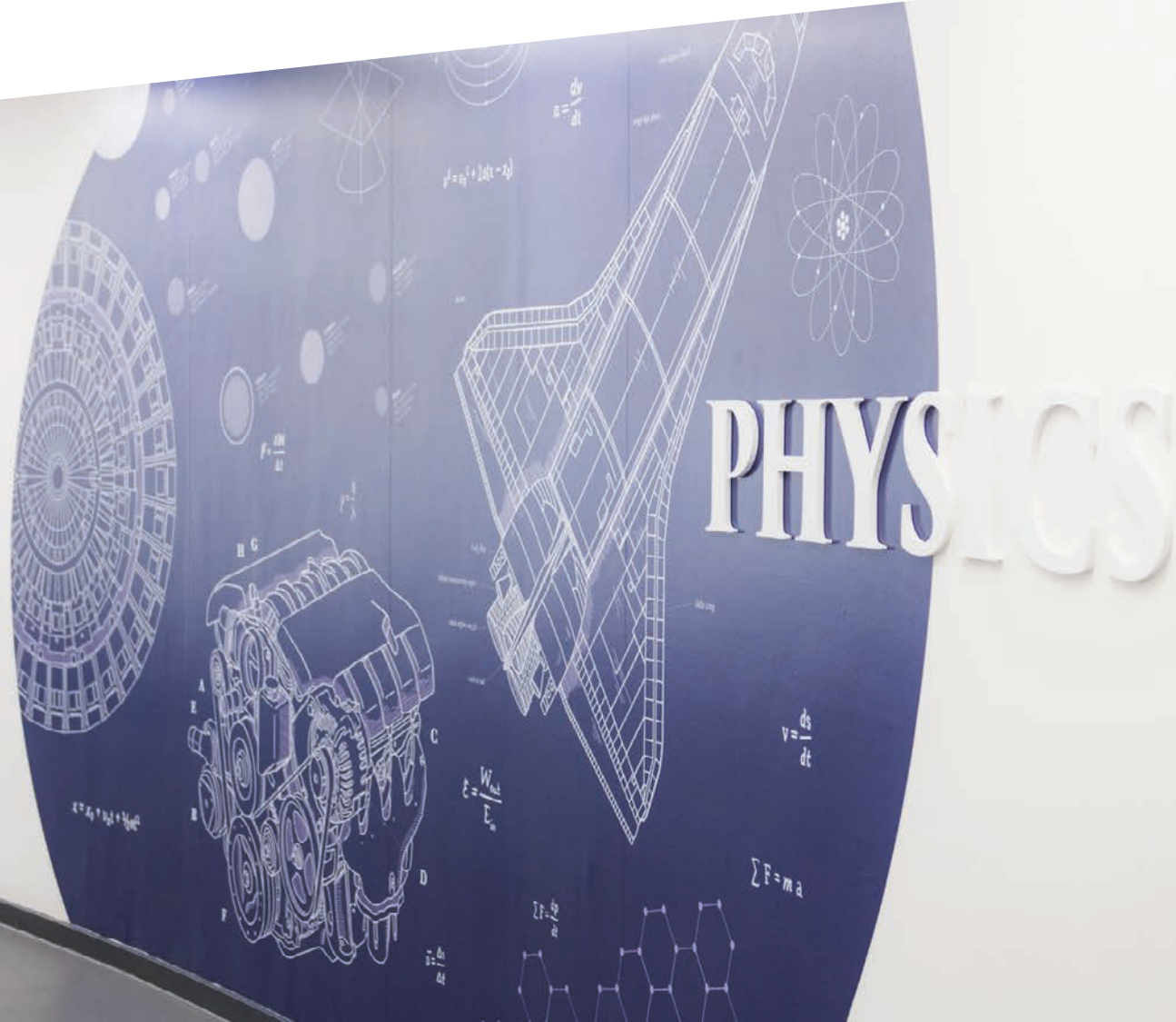
<http://www.bbc.co.uk/education/subjects/zpf3cdm>

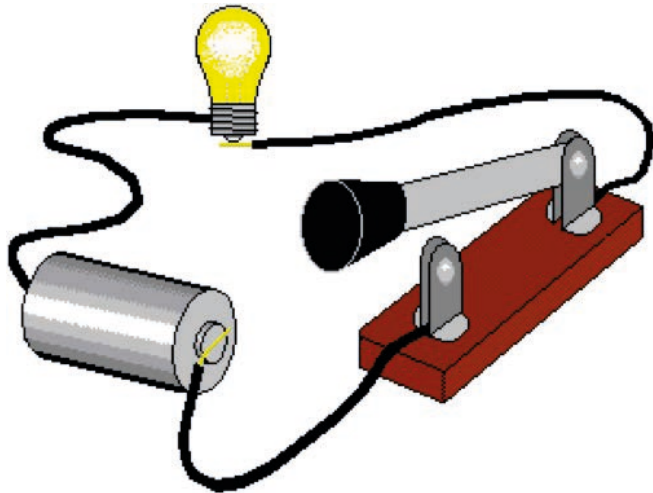
Music Theory

https://www.youtube.com/channel/UCYsFhwBMrd-mIJO6sykO_Yg



PHYSICS





SUBJECT: Physics

YEAR/COURSE: GCSE

OCR PHYSICS A (GATEWAY):

<http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-physics-a-j249-from-2016/specification-at-a-glance/>

<http://www.ocr.org.uk/Images/234600-specification-accredited-gcse-gateway-science-suite-physics-a-j249.pdf>

WATCH:

Model rocketry

https://www.ted.com/talks/steve_jurvetson_on_model_rocketry#t-8081

Off grid solar energy

https://www.ted.com/talks/amar_inamdar_the_thrilling_potential_for_off_grid_solar_energy

READ:

Driverless cars

<http://www.bbc.co.uk/news/topics/c9oymkd8lgt/driverless-cars>

The planet Mars

<http://www.bbc.co.uk/news/science-environment-43494227>

SOCIOLOGY



“The function of sociology, as of every science, is to reveal that which is hidden.”

Pierre Bourdieu

WHAT IS SOCIOLOGY?

Sociology at DLD is concerned with real-world issues with policy relevance, such as social inequality, organised crime, the social basis of political conflict and changes in family relationships and gender roles.

RECOMMENDED BOOK

An Introduction to Sociology, Ken Browne

https://www.amazon.co.uk/Introduction-Sociology-Ken-Browne-ebook/dp/B08315YCDG/ref=sr_1_1?crid=347T1J7R4BTV6&dchild=1&keywords=an+introduction+to+sociology+ken+browne&qid=1589382177&prefix=an+introduction+to+sociology%2Caps%2C174&sr=8-1

Regular reading:

<https://www.theguardian.com/society>

ON-LINE RESOURCES:

The Guardian

<https://www.theguardian.com/society>

VIDEO LINKS:

You will evaluate methods of crime prevention and control in society.

For example, prisons:

<https://www.youtube.com/watch?v=oP1DhQjLeLY&feature=youtu.be>

Sociological Methods:

<https://www.youtube.com/watch?v=yRq1AhFAN-4>

SPANISH





500 MILLION SPANISH SPEAKERS WORLDWIDE

USEFUL LINKS:

Links below offer suitable books for GCSE Spanish

<https://www.amazon.co.uk/Manolito-Gafotas-Elvira-Lindo/dp/0761457305>

<https://www.goodreads.com/book/show/7688239-el-principe-de-la-niebla>

TOPICS

In Spanish you will be covering topics such as:

Theme 1: Cultura en países de habla hispana

Presentándote en castellano utilizando 'me llamo' and 'tengo'

- Identidad y cultura
- La educación y la escuela
- La comida y comer fuera

Theme 2: Hablar sobre ti, tu familia y tu barrio

- Tu barrio, las vacaciones y viajar
- La vida cotidiana en casa





GRAMMAR/ VOCABULARY:

<https://espanol.lingolia.com/es/gramatica>

<https://aprenderespanol.org/gramatica-ejercicios>

<https://www.spanish.cl/Vocabulary/Games.htm>

MUSIC:

<https://www.musica.com/letras.asp?letras=canciones>

HISTORY:

<https://curiosfera-historia.com/historia-de-espana/>



NEWS:

<https://www.elpais.com>

<https://www.lavanguardia.com>

VIDEO MATERIALS AND ARCHIVES:

<https://rockalingua.com/videos/spanish-speaking-countries>

Website with reading comprehensions for different levels (A1 – B1)

<https://lingua.com/es/espanol/lectura/>

Website with resources for different levels of Spanish including songs, podcasts, short movies, grammar exercises...

<https://www.profedeele.es>

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ESTABLISHED 1931

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