



**CONNELL**

CO-OP COLLEGE

Wider reading to enrich your curriculum

Recommending reading from Connell Co-op College

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## Biology

Biology can lead to a wide variety of courses in Higher Education, some of which include: Pharmacology, Medicine, Zoology, Conservation and Biomedical Sciences.

Biology will provide you with a whole range of practical and mathematical skills which aid the study of other subjects. It compliments many of the other A-levels offered at Connell and can open up numerous study programmes and career opportunities for your future.

### Biology Reading List

For A-level Biology it is best that they focus on a strong foundation from GCSE so

- Their GCSE textbook
- CGP A-level Biology OCR A revision guide

some other books

- The immortal life of Henrieta Lacks *by Rebecca Skloot*
- The One *by John Marrs*

## BTEC Applied Science

BTEC Applied Science could lead to a range of scientific careers including biomedical sciences, pharmacy, pharmacology, nursing, forensic science, and criminology.

Although these are the most popular choices that previous students have chosen, we have also had students go on to study even more specialist courses at university such as engineering and cybersecurity!

### BTEC Applied Science Reading List

Interesting resources BTEC Applied Science

TV Shows:

- ER
- House
- Hospital (BBC)
- Casualty
- Tomorrow's World
- Grey's Anatomy
- David Attenborough: Planet Earth and Dynasties
- Pain, Pus and Poison - The Search for Modern Medicines

Magazines:

- How it works
- Focus
- New Scientist

Book Titles:

- It's not Rocket Science
- Your Atomic Self
- The Disappearing Spoon
- Periodic Tales
- Cartoon Guide to Chemistry
- Illuminatomy: See Inside the Human Body
- Cell Wars: In the Beginning
- The Big Book of Infectious Disease Trivia

- Human Body: An illustrated guide to every part of the human body and how it works
- Science Comics: Plagues: The Microscopic Battlefield
- Disease and Disorders: The World's Best Anatomical Charts
- Gut Eating Bugs: Maggots Reveal the Time of Death

#### Science quizzes

- <https://www.youtube.com/watch?v=icom7Y1MLXI>
- <https://www.youtube.com/watch?v=4jQtgsBRNlc>
- <https://www.youtube.com/watch?v=OOEU49zxPzM>
- <https://www.youtube.com/watch?v=sqzo0L1EK6c>
- <https://www.youtube.com/watch?v=6SpSJxhSuvk>
- <https://www.youtube.com/watch?v=C-dvWa-llG4>
- <https://www.youtube.com/watch?v=be9RJp4f4Pc>
- <https://www.youtube.com/watch?v=Be2istzBgk4>

#### Science Documentaries:

[https://www.youtube.com/watch?v=g\\_1oiJqE3OI](https://www.youtube.com/watch?v=g_1oiJqE3OI) *The World in 2050*  
<https://www.youtube.com/watch?v=3O2vX2cBZDs> *Robotics and AI*  
<https://www.youtube.com/watch?v=rdh2s9eMzGc> *The Science of Time*  
<https://www.youtube.com/watch?v=P9nqa8LfqqE> *DNA and Genetics*  
<https://www.youtube.com/watch?v=1OziCDoox5Y> *Engineering Connections*  
[https://www.youtube.com/watch?v=JLqM\\_ByWcwY](https://www.youtube.com/watch?v=JLqM_ByWcwY) *How Science Can Help Your Physical Performance*  
<https://www.youtube.com/watch?v=LVaUkr-oaWk> *Super Bodies*

## BTEC Business

The course will equip you well to start a career in business where employers value both your actual learning, your degree of independent learning and problem-solving ability which you will have gained during the course. There are also a wide variety of business courses at university for which this course is a perfect foundation. This course is also ideal for progression onto a higher level apprenticeship such as Accounting, Business Administration and HR.

Previous students have progressed to studying courses in:

- Business Management
- Law
- Accounting
- Human Resources
- Construction Management
- Marketing
- International Business

### BTEC Business Reading List

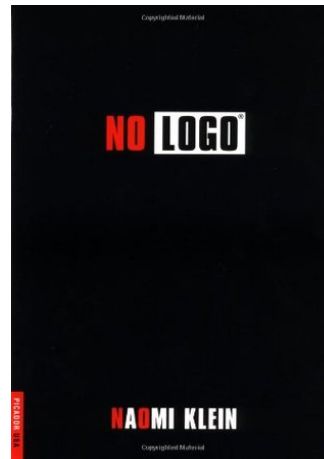
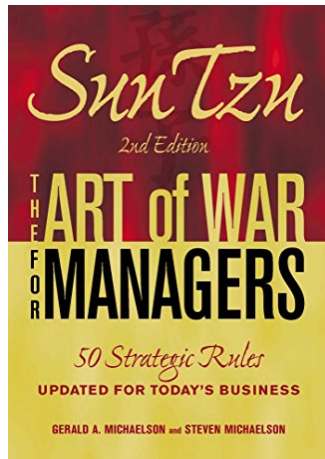
- BTEC Nationals Business Student Book 1 , 978-1-292-12624-1
- BTEC Nationals Business Student Book 2, 978-1292126258
- Building Strong Brands Aaker, *David 978-1849830409*
- The Idea in You: How to Find It, Build It, and Change Your Life Amor, *Martin 978-0241971390*
- Screw It, Let's Do It: Lessons In Life Branson, *Richard 978-0753510995*
- The 7 Habits of Highly Effective People Covey, *Stephen 978-0684858395*
- The Lean Book of Lean - a Concise Guide to Lean Management for Life and Business Earley, *John 978-1119096191*

- Tools of Titans: The Tactics, Routines, and Habits of Billionaires, Icons, and World-Class Performers Ferriss, *Timothy* 978-1785041273
- Think and Grow Rich Hill, *Napoleon* 978-1934451359
- Legacy: New Zealand All Blacks Kerr, *James* 978-1472103536
- Chaos Monkeys: Inside the Silicon Valley Money Machine Martinez, *Antonio Garcia* 978-1785034558
- The Everything Store: Jeff Bezos and the Age of Amazon Stone, *Brad* 978-0552167833

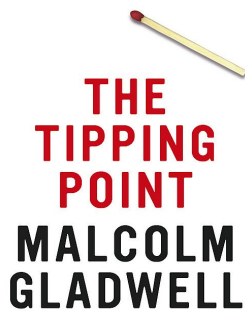
## Business

Many Business students pursue the subject at university and you will find knowledge you have gained during the course is valued by employers. Quite a few go on to run their own businesses!

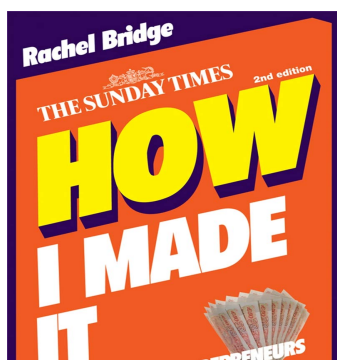
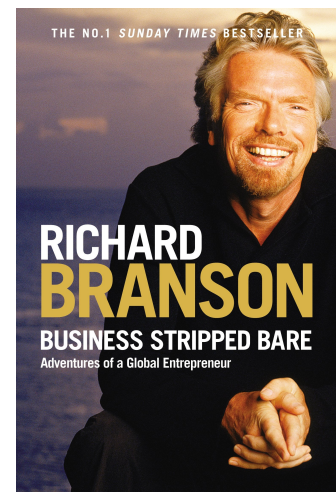
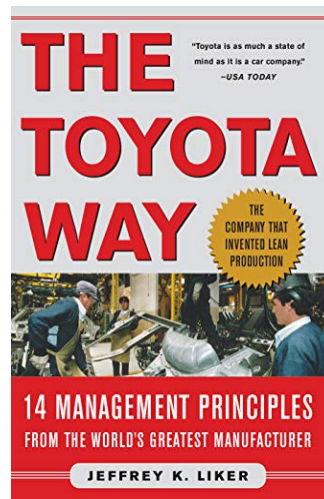
### Business Reading list



'Intelligent, articulate, thought-provoking'  
OBSERVER



HOW LITTLE THINGS CAN  
MAKE A BIG DIFFERENCE  
The International Number One Bestseller



## Chemistry

Many Chemistry students continue into Higher Education, as Chemistry degrees can lead to a wide variety of careers in areas such as water treatment, drug design, pharmacy, teaching and renewable energy. Also, a qualification in Chemistry allows access to other University courses in areas such as chemical engineering, environmental science, food science, materials science and biochemistry. Chemistry is the only science compulsory for the study of medicine and dentistry.

### Chemistry Reading List

Periodic Tales - *Hugh Aldersey-Williams*

The Periodic Table - *Primo Levi*

A is for Arsenic - *Kathryn Markup*

Chemistry at Home - *John Emsley*

The Alchemy of Us - *Ainissa Ramirez*

## Criminology

Level 3 Applied Diploma in Criminology has been designed for students who want to access higher education degree courses, such as: BSc Criminology, BA Criminology and Criminal Justice, BSC Criminology with Law, BSC (Hons) Criminology and Psychology.

Alternatively, the qualification allows learners to gain the required understanding and skills to be able to consider employment within some aspects of the criminal justice system, e.g. the National Probation Service, the

Courts and Tribunals Service or the National Offender Management Service.

## Criminology Reading List

### Textbooks:

- Henderson. C. A (2018) WJEC level 3 Applied Certificate and Diploma: Criminology. Illuminate Publishing
- Webb. R, Townend. A (2018) Criminology Book One. Napier Press

### Books:

- Criminology: A Very Short Introduction by *Tim Newburn* - *This book considers how we can study trends in crime, and use them to inform preventative policy and criminal justice.*
- Closing Ranks: My Life as a Cop by *Leroy Logan* - *This book tells of an illustrious career, giving a behind-the-scenes look at the workings of the Metropolitan Police Service.*
- The Secret Barrister - *The law can often feel to the public like an alien and impenetrable world, linked to everyday life only by selective news reportage and artistically-licensed tv dramatisation. The Secret Barrister aims to bridge that gap by providing a candid, and hopefully accessible, explanation of our criminal justice system, of how it works, and of how, all too often, it doesn't.*

- Folk Devils and Moral Panics *by Stanley Cohen* - This book considers how the media can cause and amplify criminal behaviour.

### Articles:

- Criminology section of The Conversation:  
<https://theconversation.com/uk/topics/criminology-890>

## English Language

Universities and employers prize candidates with strong communication skills. An English Language A-level is hugely versatile, leading students to careers in media, journalism, advertising, marketing, publishing, teaching, civil service and more.

### English Language Reading List

- 'Mother Tongue' *by Bill Bryson*
- 'A Little Book of English' *by David Crystal*
- 'The Adventure of English' *by Melvyn Bragg (also a TV series on YouTube)*
- 'Talk on the Wild Side' *by Lane Greene*
- 'Now You're Talking' *by Trevor Cox*
- 'The Language Instinct' *by Steven Pinker*

## English Literature

An English Literature A-level opens up all kinds of doors; universities and employers place extremely high value on the critical nature of the subject. The majority of English Literature students go on to Higher Education, studying diverse subjects such as English, Linguistics, Film, Journalism, Marketing, Politics, Law, and more.

### English Literature Reading List

- 'Dracula' *by Bram Stoker*
- 'The Bloody Chamber' *by Angela Carter*
- Any novels, stories, TV shows or films classed as 'Gothic'
- 'Hamlet' *by William Shakespeare*
- 'A Doll's House' *by Henrik Ibsen*
- 'A Streetcar Named Desire' *by Tennessee Williams*
- 'Disgrace' *by J. M. Coetzee*

## Geography

Geography students have one of the highest employment rates after graduating university, because of the range of skills they have developed. Studying Geography at A-level develops a wide range of transferable skills: report writing, numeracy, information technology, decision-making, independent research and problem-solving. Geography bridges the Arts and Sciences, giving flexibility for Higher Education courses, such as those in Planning and Environmental Management. It can also lead you to study a wide range of other courses, including Business, Law, development work and human rights, to name but a few.

### Geography Reading List

- Geography reading list 1.pdf
- Geography reading list 2.pdf
- Geography reading list 3.pdf

## Health and Social Care

This is an extended Diploma specifically for those who wish to progress to a health-related degree. The course will help prepare you for a range of university courses including Social Work, Nursing, Midwifery, Teacher Training, Psychology, Occupational Therapy and Social Policy.

### Health and Social Care Reading List

*Adam Kay- This is going to hurt*

*Jon Green- The fault in our stars*

*Emma Healy- Elizabeth is Missing*

*Ken Kesey- One Flew over the cuckoo's nest*

*Susan Lewis- No child of Mine*

*Nathan Filer- The shock of the fall*

*Lisa Genova- Still Alice*

## Law

Many Law students go on to Higher Education, studying subjects such as Law or Criminology, or Legal Services Apprenticeships. However, the skills that you will gain during these two years will be transferable to a number of subjects at undergraduate level, as well as a number of different career pathways.

### A Level Law Reading List

#### Textbook

OCR A Level Law Second Edition *by Richard Wortley, Nicholas Price ISBN 9781398326477*

#### Wider Reading

*Fake Law: The Truth About Justice in an Age of Lies by The Secret Barrister ISBN-10 1529009987*

*The Secret Barrister: Stories of the Law and How It's Broken by The Secret Barrister ISBN-10 1509841148*

*The Prosecutor by Nazir Afzal ISBN-10 1529105021*

*In Your Defence: True Stories of Life and Law by Sarah Langford ISBN - 10 1784163082*

*Under the Wig: A Lawyer's Stories of Murder, Guilt and Innocence by William Clegg ISBN-10 1529401240*

*In Black and White: A Young Barrister's Story of Race and Class in a Broken Justice System by Alexandra Wilson*

*The Children Act: McEwan Ian by Ian McEwan ISBN-10 9780099599630*

*Enemies of the People?: How Judges Shape Society by Joshua Rozenberg ISBN - 10 152920450X*

Misjustice: How British Law is Failing Women *by Helena Kennedy ISBN-10 1784707686*

Eve Was Framed: Women and British Justice *by Helena Kennedy ISBN -10 0099224410*

Just Law: The Changing Face of Justice - And Why It Matters to Us All *by Helena Kennedy ISBN-10 0099458330*

Freedom, the Individual and the Law *by Geoffrey Robertson ISBN-10 0140172645*

How to Solve a Murder: True Stories from a Life in Forensic Medicine *by Derek Tremain ISBN-10 0008404887*

The Rule of Law *by Tom Bingham ISBN 10 - 014103453X*

## Mathematics

Mathematics is highly regarded by employers and universities. By choosing Mathematics you will develop a sought-after skill set that will enable you to go on to do whatever you want.

Some courses that students studying A-level Mathematics could go on to do include Engineering, Mathematics, Computer Science, Medicine, Accountancy and Actuarial Sciences.

### Mathematics Reading Lists

#### Popular

The Calculus Story: A Mathematical Adventure - *David Acheson*

How To: Absurd Scientific Advice for Common Real-World Problems *from Randall Munroe of xkcd*

Humble Pi: A Comedy of Maths Errors

The Indisputable Existence of Santa Claus: *Hannah Fry*

Hello World: How to be Human in the Age of the Machine - *Hannah Fry*

The Simpsons and Their Mathematical Secrets: *Simon Singh*

Seventeen Equations that Changed the World: *Ian Stewart*

What's the Use?: The Unreasonable Effectiveness of Mathematics - *Ian Stewart*

A Survival Guide to the Misinformation Age: Scientific Habits of Mind - *David Helfand*

#### Fiction

Danny Chung Does Not Do Maths: *Maisie Chan*

The Queen's Gambit: *Walter Tevis*

The Miscalculations of Lightning Girl - *Stacy McAnulty*

## Biographical

Calculus Gems: Brief Lives and Memorable Mathematics (Spectrum) *George F. Simmons*

Proving It Her Way: Emmy Noether, a Life in Mathematics - *David E. Rowe (Author), Mechthild Koreuber (Author)*

## Problems & Puzzles

The Ultimate Mathematical Challenge: Over 365 puzzles to test your wits and excite your mind

Problem Solving in GCSE Mathematics: Questions for pupils targeting Grades 8 and 9 - *Daniel Griller*

How to Solve It: *George Polya*

Solving Mathematical Problems: A Personal Perspective *Terrence Tao*

## Workbooks / self-study

Target Grade 9 Edexcel GCSE (9-1) Mathematics Algebraic techniques, Shape and Statistics Workbook (Intervention Maths) - *Katherine Pate*

Target Grade 9 Edexcel GCSE (9-1) Mathematics Algebra Workbook (Intervention Maths): *Diane Oliver*

Trigonometry (Gelfand Mathematical Seminar): *by I.M. Gelfand , Mark Saul*

Geometry: *Israel M. Gelfand (Author), Tatiana Alekseyevskaya*

Functions and Graphs (Dover Books on Mathematics): *I. M. Gelfand (Author), E. G. Glagoleva (Author), E. E. Shnol (Author)*

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

## Media Studies

Many students of Media Studies go on to Higher Education, studying rewarding subjects such as English, Sociology, Journalism, Marketing, Publishing and Film at degree level. There are also exciting degree pathways in the creative industries including roles in: design, film and television production and radio broadcasting.

### Media Studies Reading List

For Media Studies I'd recommend the students read the following websites on a regular basis:

- <https://www.theguardian.com/theguardian/mainsection/media>
- <https://www.wired.co.uk/>
- <https://www.alevelmedia.co.uk/>

Podcast:

- <https://www.bbc.co.uk/programmes/b00dv9hq> - The Media Show every Weds 4:30 a new episode is uploaded - excellent for understanding how the media is owned and operated as an industry

Books:

- Media Theory for A Level: The Essential Revision Guide Paperback – 21 Oct. 2019 by *Mark Dixon* (Author)
- Media Studies: A Complete Introduction: Teach Yourself (Complete Introductions) by *Joanne Hollows*

## Psychology

Studying A-level Psychology enables students to develop important skills in writing, analysis and evaluation. It is valued as a rigorous academic subject by Universities and is also directly relevant to any career path which involves interaction with people. Examples of these are journalism, child care, the legal system, the police force, teaching, medicine, nursing, business, sports management. Students may also decide to follow a career in a field of Psychology e.g. Clinical Psychology or Educational Psychology.

## Applied Psychology

It is directly relevant to any career path which involves interaction with people. This qualification gives you the knowledge, understanding and skills relevant to higher education courses such as a BSc in Psychology or Criminology, or a joint honours degree in Psychology and Health and Social Care. It will also help you to progress to employment in a healthcare profession such as nursing or social care and to a role that supports the motivation of others, such as teacher, life coach and sports coach

## Psychology and Applied Psychology Reading List

The Mindful Self-Compassion Workbook

*Book by Christopher Germer and Kristin Neff*

Man's Search for Meaning

*Book by Viktor Frankl*

Children of the Dust

*Novel by Louise Lawrence*

Originals: How Non-Conformists Move the World

*Book by Adam Grant*

The Slap

*Novel by Christos Tsiolkas*

The Master's Tools Will Never Dismantle the Master's House

*Book by Audre Lorde*

Self Comes to Mind: Constructing the Conscious Brain

*Book by Antonio Damasio*

Damaged: The Heartbreaking True Story of a Forgotten Child

*Book by Cathy Glass*

The New Laws of Psychology: Why Nature and Nurture Alone Can't Explain  
Human Behaviour

*Book by Peter Kinderman*

Shōgun

*Novel by James Clavell*

The Gift of Therapy

*Book by Irvin D. Yalom*

My Brilliant Friend

*Novel by Elena Ferrante*

Small Great Things

*Novel by Jodi Picoult*

The Wisdom of Birds: An Illustrated History of Ornithology

*Book by Tim Birkhead*

The Psychopathology of Everyday Life

*Book by Sigmund Freud*

The Situation is Hopeless, But Not Serious

*Book by Paul Watzlawick*

The Man Who Mistook His Wife for a Hat

*Book by Oliver Sacks*



## Sociology

The majority of Sociology students go on to Higher Education, studying subjects such as Sociology, Criminology, Law and Social Policy. However, by studying Sociology you will gain a broad understanding of society and therefore it provides you with a range of knowledge and skills that can be transferred to a variety of professions, including education, social work, government and counselling.

### A LEVEL SOCIOLOGY RECOMMENDED READING



This course particularly suits those wanting to enter employment in the sport and active leisure sector as coaches, PE teachers and leaders as well as those who have a real passion for football. It is also ideal for those wishing to progress to higher education to study a sport-related degree such as coaching, sports development, sports science and teaching sport. This course is linked to the Manchester City Community Football Coaching degree at Manchester Metropolitan University, UA92 and UCFB. Alongside the academic aspect of

the course, you will also have access to quality coaching to enhance your football skills and playing ability.

## Sport, Coaching and Development AND Sport & Exercise Science Reading List

*N Marieb and K Hoehn* - Human Anatomy 2015

*D Brooks* - The complete book of personal training 2004

*V Katch and F Katch* - Essentials of Exercise Physiology 4th edition 2011

*D Burton* - Sport Psychology for coaches 2008

*C Gratton and I Jones* - Research Methods for Sports Studies 2010

### Websites

[www.bases.org.uk](http://www.bases.org.uk)

[www.ukzca.org.uk](http://www.ukzca.org.uk)

[www.sportscoachuk.org](http://www.sportscoachuk.org)

[www.humankinetics.com](http://www.humankinetics.com)

[www.brianmac.co.uk](http://www.brianmac.co.uk)