

2021/22 Science Department Reading Lists

A Level Biology

Course textbooks:

- A Level Biology for AQA: Student book (CGP)
- AQA Biology: A Level – Glenn and Susan Toole

Wider reading

- Entangled Life – Merlin Sheldrake
- Sapiens – Yuval Noah Harari (See also: Homo Deus)
- This is Going to Hurt – Adam Kay
- The Biology Book - Michael C. Gerald
- The Gene: A History – Siddhartha Mukherjee
- Beloved Beasts: Fighting for Life in an Age of Extinction – Michelle Nijhuis
- A Life on Our Planet – David Attenborough

A Level Chemistry

Course textbook:

- A Level Chemistry for OCR A (OXFORD) – Rob Ritchie and Dave Gent

Wider reading:

- This is Going to Hurt – Adam Kay
- Bad Pharma – Ben Goldacre
- The Chemistry Book – Derek Lowe
- The Disappearing Spoon – Sam Kean

A Level Physics

Course textbook:

- A Level Physic for OCR A (OXFORD) – Graham Bone, Nigel Saunders and Gurinder Chadha

Wider reading:

- Seven Brief Lessons on Physics – Carlo Rovelli
- Flatland: A Romance of Many Dimensions – Edwin Abbott

- The World According to Physics – Jim Al-Khalili
- Midnight in Chernobyl – Adam Higginbotham
- The Universe in Your Hand – Christophe Galfard
- What If? Serious, Scientific Answers to Absurd Hypothetical Questions – Randall Monroe

BTEC Extended Diploma in Applied Science

Course textbooks:

- BTEC National Applied Science Student Book 1 (2016) (Pearson)
- BTEC National Applied Science Student Book 2 (2016) (Pearson)
- Practical skills in Biology – Rob Reed
- Practical skills in Chemistry – John Dean and David Holmes

Wider reading:

- Sapiens – Yuval Noah Harari (See also: Homo Deus)
- The Biology Book - Michael C. Gerald
- The Gene: A History – Siddhartha Mukherjee
- Bad Pharma – Ben Goldacre
- The Chemistry Book – Derek Lowe
- Seven Brief Lessons on Physics – Carlo Rovelli
- The World According to Physics – Jim Al-Khalili
- What If? Serious, Scientific Answers to Absurd Hypothetical Questions – Randall Monroe

BTEC Extended Certificate in Applied Science

Course textbooks:

- BTEC National Applied Science Student Book 1 (2016) (Pearson)

Wider reading:

- Sapiens – Yuval Noah Harari (See also: Homo Deus)
- The Biology Book - Michael C. Gerald
- The Gene: A History – Siddhartha Mukherjee