

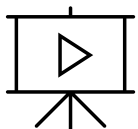


A level summer transition work

Subject: CHEMISTRY

Exam board: OCR

Expectation is you will complete at least one task from each category and come to your first lesson in September prepared to discuss this work. You must bring your 'Independent learning log' and any completed work in September.



Video Clips

Each of these short video clips introduces an idea or theme that is relevant to this A level course. In your 'independent learning log' note down any questions the clip raises.

Introduction by a learner <https://www.youtube.com/watch?v=KI9FLEkk8yw>

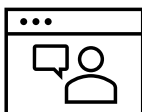
Introduction by a teacher <https://www.youtube.com/watch?v=oOrZvUSHGtA>

Is Chemistry really so difficult? <https://www.youtube.com/watch?v=B5EZfdjUYCo>

A chemistry timeline https://www.youtube.com/watch?v=l_c6Seo26Uw

Curious Chemistry: surprising reactions https://www.youtube.com/watch?v=ti_E2ZKZpC4

TV programmes, films, and documentaries



These programmes will get you thinking even more deeply about this A level course. In your 'independent learning log' write down anything you will explore further following your viewing

"Chemistry: a volatile history" by Jim Al Khalili (YouTube/BBC)



Radio programmes and podcast

These programmes are great ways to get you thinking about your A level. Pick some to listen to over the summer.

Chemistry for your Life



Books

These books are excellent introductions to A level. Write a small summary or review of the book or sections of the book you have read.

- "Elegant Solutions" and "Stories of the Invisible" both by Philip Ball
- "The Secrets of the Periodic table" by Ben Still
- "The Oxford Book of Modern Science Writing", ed. R Dawkins
- "Science: A History in 100 experiments" by John & Mary Gribbin
- "The Ascent of Man" by Jacob Bronowski (also available on YouTube)
- "A Short History of Nearly Everything" by Bill Bryson
- "The Periodic Table" by Primo Levi



Questions to discuss

These are questions you could discuss with family and friends over the summer. Try to write a summary of your discussion and the different viewpoints that emerged.

What impact does Chemistry have on my life?

What three things would you like science to achieve in the next decade?

What use is Chemistry A Level to my future plans?

What



Independent learning log

Use the table below to keep a record of your preparation work. Bring this to your first lesson back in September.

Date completed	Title	Type of task	Questions/resources you produced (summer notes, book review etc)

