

# Transition Pack for A Level Chemistry

**Get ready for A-level!**

**A guide to help you get ready for A-level Chemistry,  
including everything from topic guides to days out and  
online learning courses.**

## Suggested Reading List & SHS Summer Task 2020



**KEEP  
CALM  
and  
LOVE  
CHEMISTRY**

**So you are considering A Level Chemistry?**

This pack contains a programme of activities and resources to prepare you to start an A level in Chemistry in September. It is aimed to be used after you complete your GCSE, throughout the remainder of the summer term and over the Summer Holidays to ensure you are ready to start your course in September.

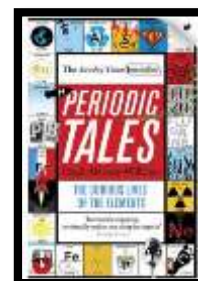
## Suggested Book Recommendations

### **Periodic Tales: The Curious Lives of the Elements**

(Paperback) Hugh Aldersey-Williams

ISBN-10: 0141041455     <http://bit.ly/pixlchembook1>

This book covers the chemical elements, where they come from and how they are used. There are loads of fascinating insights into uses for chemicals you would have never even thought about.

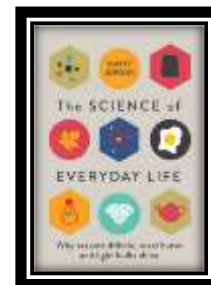


### **The Science of Everyday Life: Why Teapots Dribble, Toast Burns and Light Bulbs Shine**

(Hardback) Marty Jopson

ISBN-10: 1782434186     <http://bit.ly/pixlchembook2>

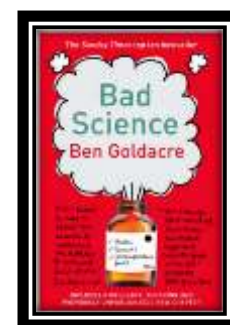
The title says it all really, lots of interesting stuff about the things around you home!



### **Bad Science (Paperback) Ben Goldacre**

ISBN-10: 000728487X     <http://bit.ly/pixlchembook3>

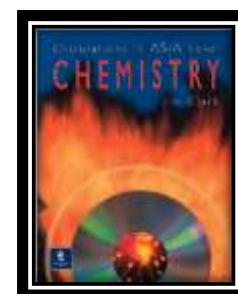
Here Ben Goldacre takes apart anyone who published bad / misleading or dodgy science – this book will make you think about everything the advertising industry tries to sell you by making it sound 'sciency'.



### **Calculations in AS/A Level Chemistry (Paperback) Jim Clark**

ISBN-10: 0582411270     <http://bit.ly/pixlchembook4>

If you struggle with the calculations side of chemistry, this is the book for you. Covers all the possible calculations you are ever likely to come across. Brought to you by the same guy who wrote the excellent chemguide.co.uk website.



*Do not feel you need to buy the latest edition - You can pick up an old edition for a few pounds on ebay, gives you a real insight into how chemistry is used to solve everyday problems from global pollution through feeding to world to making new medicines to treat disease.*

## Suggested DVD clips to watch online



### **Rough science – the Open University – 34 episodes available**

Real scientists are 'stranded' on an island and are given scientific problems to solve using only what they can find on the island. Great fun if you like to see how science is used in solving problems.

There are six series in total

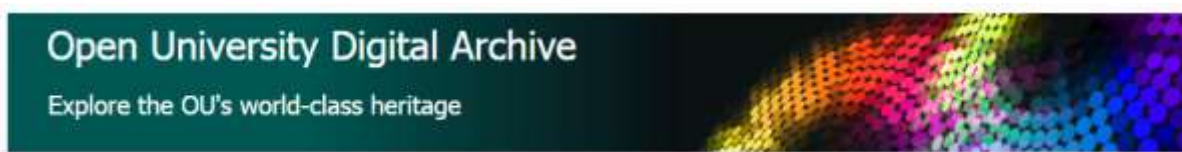
<http://bit.ly/pixlchemvid1a>

[http://www.dailymotion.com/playlist/x2igjq\\_Rough-Science\\_rough-science-full-series/1#video=xxw6pr](http://www.dailymotion.com/playlist/x2igjq_Rough-Science_rough-science-full-series/1#video=xxw6pr)

or

<http://bit.ly/pixlchemvid1b>

<https://www.youtube.com/watch?v=IUoDWAt259I>



### **A thread of quicksilver – The Open University**

A brilliant history of the most mysterious of elements – mercury. This program shows you how a single substance led to empires and war, as well as showing you come of the cooler properties of mercury.

<http://bit.ly/pixlchemvid2>

<https://www.youtube.com/watch?v=t46lvTxHHTA>



### **10 weird and wonderful chemical reactions**

10 good demonstration reactions, can you work out the chemistry of .... any... of them?

<http://bit.ly/pixlchemvid3>

<https://www.youtube.com/watch?v=0Bt6RPP2ANI>