



General Advice

In class pupils should bring

- A ring binder or zipped reinforced plastic folder (for worksheets, notes and tests)
- Pencil case with pen, pencil, rubber, ruler and highlighter. Colouring pencils are useful.
- An exercise book may be useful – for homework, revision exercises, etc. (Ask your teacher)

Homework

- Details written in Learning Organiser/Homework Diary for the day it is due.
- Some work will be in the exercise book (above); other tasks on file paper
- Title the homework and include the date
- Write in blue or black ink; draw graphs and diagrams in pencil.



Organisation

- It is important to continue to be organised for class each day in Year 10 – your child will have chemistry once a week (for 2 periods). Keep a copy of your child's timetable posted at home for easy reference.
- Be aware of the 'Year 10 Chemistry Big Picture' – your child will have a copy in their file.

Revision

- For topic tests and examinations (see 'Year 10 Big Picture') your child should be an active learner – some ideas:
 - labelling blank diagrams,
 - reading and then listing the main points,
 - mapping out the main aspects of a topic
 - answering questions from past papers/tests
 - using a revision guide
 - writing definitions or key facts on post-it notes and sticking them round the room
 - getting a parent to ask them questions from their notes
- You could encourage reading e.g. the '**Horrible Science**' series, *Chemical Chaos*, etc



Websites



The World Wide Web is a fantastic place for learning, but for every perfect page there are a hundred dodgy ones. If you don't have Internet access at home, try the local library – many offer free access. Watch out for the temptation to just copy material from a website – make sure your child writes their homework in their own words.

<http://www.bbc.co.uk/education/subjects/zng4d2p>

Tests, quizzes and games on key stage 3 chemistry, biology and physics.

Information for parents to support their children thinking about a future in chemistry from the Royal Society of Chemistry (RSC).

<http://www.qub.ac.uk/schools/SchoolofChemistryandChemicalEngineering/>

Find out about Chemistry courses at Queen's University, Belfast



Activities/ideas you could try based on the Year 10 Chemistry topics (also see 'The Big Picture')

○ 1. Metals and Reactivity

- Which metal are used in your home? Are they reacting or rusting? Where can you find copper, iron, silver?
- Research new metallic materials using the science museum website or visit the Science Museum the next time you and your family are in London! (**Click** on picture➔)



○ 2. Periodic Table

- See how much parents remember about the symbols of the chemical elements – have a quiz!
- If you ever travel to Belgium visit the Atomium in Brussels (**Click**➔)



○ 3. Chemistry and Careers

- Where might you get careers help or ideas - a member of your family working in a certain profession/area; your regular newspaper?
- Have a look at how Parents can get involved in supporting their children with careers and education (**Click**➔)



○ 4. Atomic Structure

- What products in the supermarket use **nanotechnology** – sunscreen? 'Silverhealing plasters'? – have a look at the labels
- Click on 'Nanooze' and find out about the science of really small things



○ 5. Chemical World

- Find out about a local quarry by researching on the internet – what's the main resource there? What's it used for? Are there any environmental concerns?
- Have you questions about salt and health? Try this NHS link ➔



Any questions about the course – please contact Mr. M. Christie