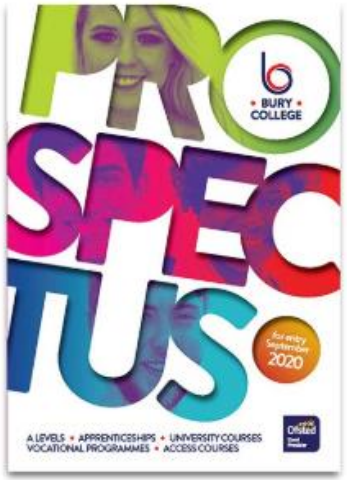
Click me to access the Bury College Website

Bury College
Pre – enrolment information

BTEC Level 3 Forensics & Criminal Investigation
Chemistry



Click me to access the Biology Prospectus page

Preparation for college

Pens

Pencils

Eraser and Sharpener

Ruler

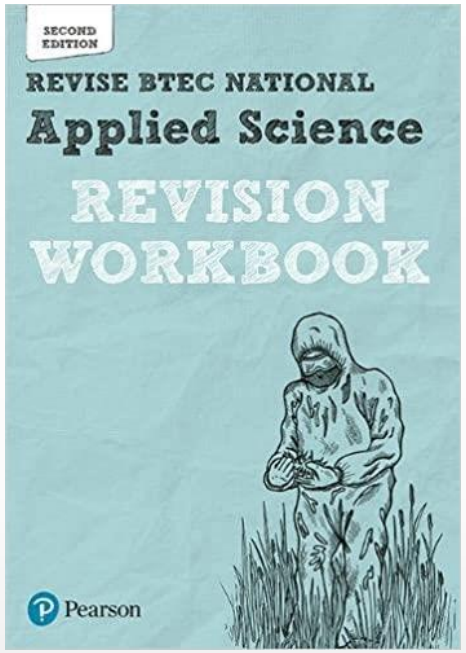
Calculator

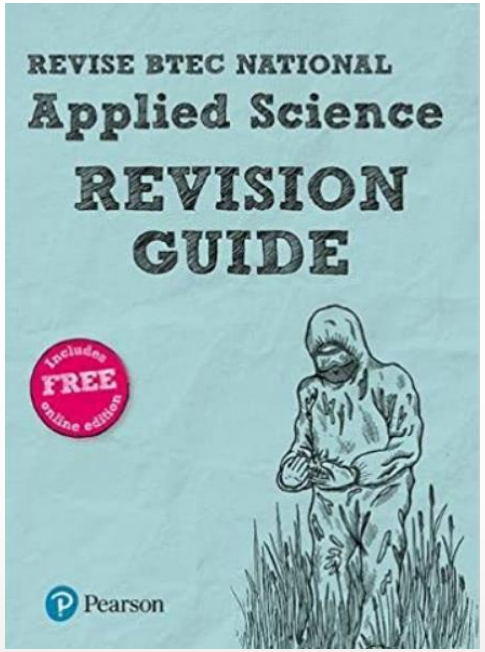
Notepad

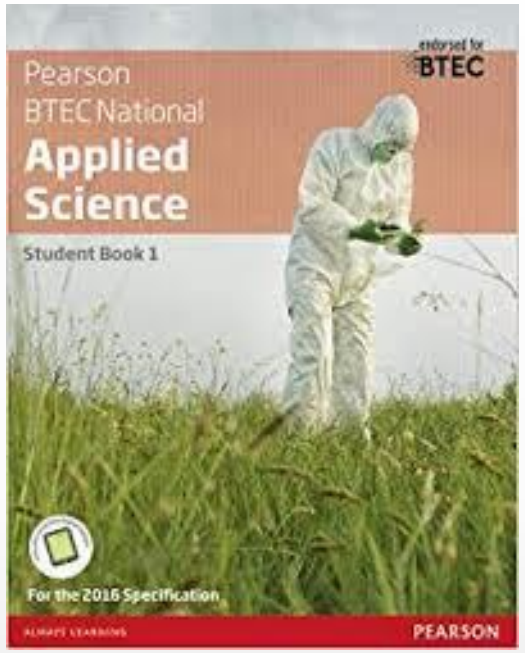
Other essential resources will be provided

Useful resources

- ***Useful textbooks***







- ***Useful websites***

https://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-2016.html

http://www.chemguide.co.uk/

https://www.bbc.co.uk/bitesize

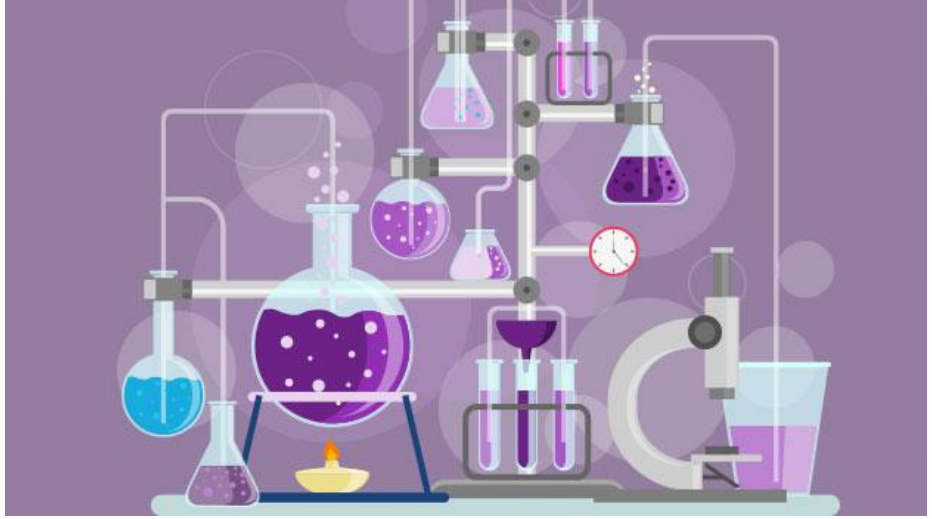
Why study chemistry?

Chemistry is everything and is everywhere, it allows us to explore and study the world we live in. It's in the food you eat, clothes you wear, water you drink, medicines, air, cleaners.

You name it!

Studying Chemistry in Applied Science helps you to develop research, problem solving and analytical skills. It allows you to challenge ideas through logic and step-by-step reasoning. By studying Applied Science (chemistry) at Bury College you will develop teamwork and communication skills in a laboratory setting.

This means you should be well prepared for every single lesson!

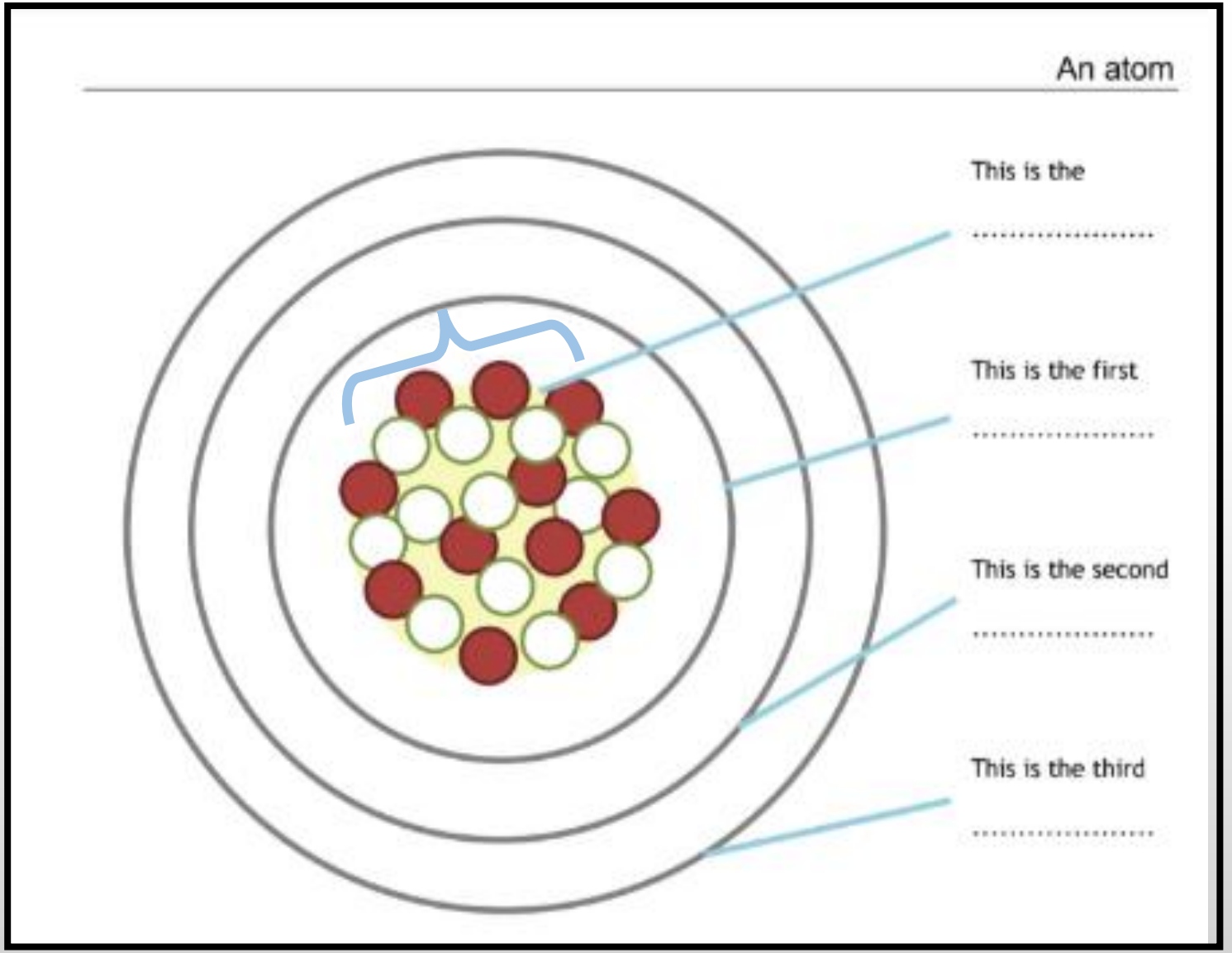


Career paths you can go into include:
Zoology
Engineering,
Biomedicine
Pharmacology
Allied Health professional

Here are some things you should ideally already know and what you will learn.

I already know….	I will learn….
Simple model of the atom	Atoms are made up sub atomic particles
Properties of metals and non-metals	Explain differences between metals and non –metals in terms of atomic structure and bonding
Difference between atoms, elements & compounds	Explain atoms are bonded to each other elements and compounds
How to represent chemical reactions using formulae and equations	Carry out reacting masses from balance symbol equations
How to use chemical symbols and formulae to represent elements and compounds	Knowing the structure of atoms and type of bonding involved
The conservation of mass in chemical reactions	Carry out mole calculations from balanced symbol equations

Can you complete following?
Part a



Can you find out the name of the element?
(You will need a periodic table)
Part b