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Bury College Pre – enrolment information

LEVER S + LANGESCHOUSE

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BTEC Level 3 Applied Science Chemistry

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/appliedscience-2016.html

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

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

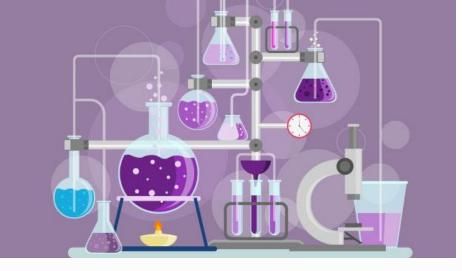
Why study chemistry?

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

Course units for Applied Science CHEMISTRY

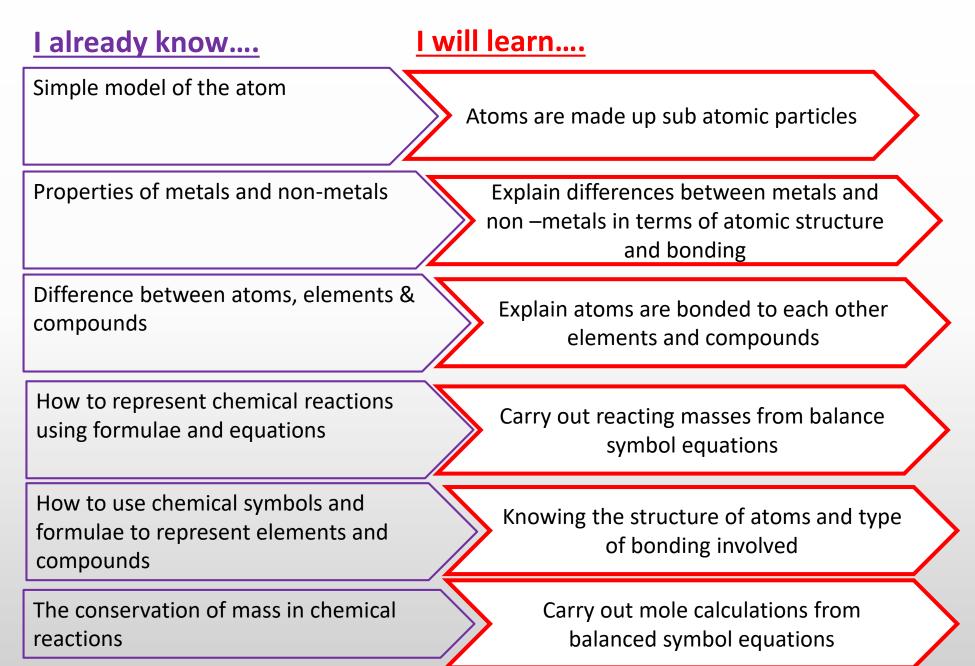
For the first year there are three units for the Extended Certificate in chemistry:

- Unit 1 Principles and Applications of Science is externally set and examined
- Unit 2 Practical Scientific Procedures and Techniques is internally set and assessed
- Unit 4 Laboratory Techniques and the Application is internally set and assessed.

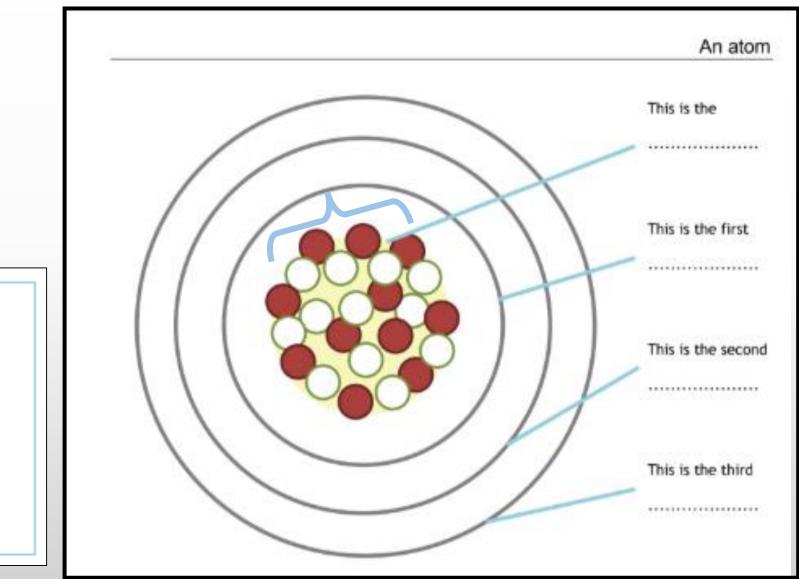
For the second year there are three units for the Extended Certificate in chemistry:

- Unit 5 Principles and Applications of Science II is externally set and examined.
- Unit 7 Contemporary Issues in Science is externally set and examined.
- Unit 13 Applications of Inorganic Chemistry is internally set and assessed
- Unit 14 Applications of Organic Chemistry is internally set and assessed

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



Can you complete following? Part a



<u>Key</u>

O Neutron

Proton

X Electron

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

	 How many protons are there in the nucleus? Now many neutrons are in the nucleus?
Key	3. How many electrons would this element have?
	4. How did you work this out?
O Neutron	
	5. What is the atomic number of this element?6. How do you know this?
Proton	7. What is the mass number? How did you work this out?
X Electron	8. Put the correct number of electrons in each shell.
	9. What group does this element belong to?
	10. What name is given to this group?
	11. This element is