## **Chemistry (Triple award) Year 10**

You will start the year learning about the structure of molecules and the formation of the bonds that hold them together. You will be assessed on this, plus your learning atomic structure and the periodic table from year 9, in your Semester 1 test.

In topic C3 you will learn about the calculations scientists use in order to measure chemical reactions. You will be assessed on this, plus a recap of the bonding topic in your Semester 3 test.

Finally, you will study the reactivity series and explore how we can use this when extracting metals, as well as acids and alkalis and neutralisation. This will be assessed in your end of year exam, along with the other topics covered in years 9 and 10.

N.B. Topics listed in bold will be taught this year. Topics not in bold were covered in year 9.

Assessment	Units being	g assessed	Working Towards		At ected	Above Expected		Test grade
			Target	Ta	rget	Targ	et	
Semester 1	C1 Structure of the periodic table C2 Bonding (part 1							
Overall semester	performance							
FFL:	Meeting behaviour for learning standards	Actively engaged in the learning	Regularly complete HWK to a high standard	to	Completing CWK to a high standard		VK Is a resilient learner 'Doesn't give up easily'	
Achieved:								

Semester 2  C1 Structure of the atom and the periodic table C2 Bonding (parts 1 & 2) C3 Quantitative chemistry (part1)  Overall semester performance  FFL:  Meeting behaviour for learning behaviour for learning learning  Regularly complete HWK to a high standard  Completing CWK to a high standard  Target  Target	Assessment	Units bein	g assessed	Working Towards	At Expected	Above Expected		Test grade
periodic table C2 Bonding (parts 1 & 2) C3 Quantitative chemistry (part1)  Overall semester performance  FFL:  Meeting behaviour for learning  Actively engaged in the learning  Regularly complete HWK to a high standard  Completing CWK to a high standard  Doesn't given				Target	Target	Targ	et	
behaviour for learning engaged in the complete HWK to a high learner to a high standard 'Doesn't given		periodic table C2 Bonding (parts C3 Quantitative ch	1 & 2)					
standards standard easily' Achieved:		behaviour for	engaged in the	complete HWK	to a high	to a high		ier sn't give up

Assessment	Units bein	Units being assessed		At Expected Target	Above Expected Target		Test grade
Semester 3	C1 Structure of the atom and the periodic table C2 Bonding (parts 1 & 2) C3 Quantitative chemistry (parts 1 & 2) C4 Chemical changes						
Overall semeste	r performance						
FFL:	Meeting behaviour for learning standards	Actively engaged in the learning	Regularly complete HWK to a high standard	to a high	Completing CWK to a high standard		esilient ner sn't give up y'
Achieved:							·

Assessment	Units being	g assessed	Working Towards Target	At Expected Target	Abor Expec Targ	ted	Test grade
End of year	Chemistry paper 1	<u>.</u>					
exam	C1 Structure of the	atom and the					
	periodic table						
	C2 Bonding						
	C3 Quantitative ch	emistry					
	C4 Chemical chang	es					
	C5 Energy changes						
Overall performa	nce						
FFL:	Meeting behaviour for learning standards	Actively engaged in the learning	Regularly complete HWK to a high standard	-			esilient er sn't give up y'
Achieved:							