

Year 11 Work Plan for the Period Sep 2014 - Dec 2014

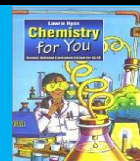
Course: IGCSE Chemistry

Teacher: B.P. Howe

Prescribed Text: Chemistry for You

Support materials: CGP books

Number of periods per week: 5 (3 theory + 2 laboratory)



Week	Date	Theory					Practical No.	Hazards
		Topic	CfY page number	Syllabus section	Manual references	CIE SoW Section		
35	27-Aug	First week, introduction etc						
36	1-Sep	Chapter 13 Products from Oil	166	14.2	1	4	Demo 13.1 13.2	H, HF, IR, SB, Δ
37	8-Sep	Chapter 13 Products from Oil	170	14.2	1	4	13.3 13.5	FH, H, Δ
38	15-Sep	Chapter 14 Organic Molecules	178	14.6	5	4	14.1-14.4	C, FH, HF IR, Δ
39	21-Sep	Chapter 14 Organic Molecules	180	14.6	5	4	15.1	F, SO ₂ , Δ
40	29-Sep	65 th Year of the Revolution Holiday 						
41	6-Oct	Chapter 14 Organic Molecules	184	14.7	5	4	15.2	F, SO ₂ , Δ
42	13-Oct	Chapter 15 Energy Transfer	186	6.1	11	1	15.3	C, H, IR, O
43	20-Oct	Chapter 15 Energy Transfer	190	6.1	11	1	15.4	C, H, IR, O
44	27-Oct	Chapter 15 Energy Transfer	194	6.2	11	1	15.5	C, H, IR, O
45	3-Nov	Chapter 16 Rates of Reaction	199	7.1	18	5	16.1, 16.2	IR
46	10-Nov	Chapter 16 Rates of Reaction	202	7.1	18	5	16.3, 16.4	IR
47	17-Nov	Chapter 16 Rates of Reaction	206	7.1	18	5	16.5, 16.6	IR
48	24-Nov	Chapter 17 Enzymes, how enzymes work, effect of T, fermentation, making alcohol, bread,dairy products,	212	14.6-14.8	30	4 9	17.1-17.4	IR
49	1-Dec	Summary Chapter 18 Body chemisty, testing foods,	220	14.6-14.8	33	9	18.1-18.4	H, HF, IR, Δ
50	8-Dec	structures of foods, proteins, fats and oils, breaking down food then → antacids (vitamins, e-numbers not required).	222	14.8	33	9	conclude 18.1-18.4	H, HF, IR, Δ

Notes:

This plan of work is only a guide, but the order will be strictly kept to.

Titles in italics indicate chapter headings from *Chemistry for You*.

It is expected to finish the syllabus before Easter, if possible.

The pacing of this course will depend on how quickly the two girls consolidate on their learning.

Extra information is at: www.rogoscience.webnode.com

2014

	January						February						March					
	1	2	3	4	5		5	6	7	8	9		9	10	11	12	13	14
Mo		6	13	20	27			3	10	17	24			3	10	17	24	31
Tu		7	14	21	28			4	11	18	25			4	11	18	25	
We	1	8	15	22	29			5	12	19	26			5	12	19	26	
Th	2	9	16	23	30			6	13	20	27			6	13	20	27	
Fr	3	10	17	24	31			7	14	21	28			7	14	21	28	
Sa	4	11	18	25			1	8	15	22			1	8	15	22	29	
Su	5	12	19	26			2	9	16	23			2	9	16	23	30	
	April						May						June					
	14	15	16	17	18		18	19	20	21	22		22	23	24	25	26	27
Mo		7	14	21	28			5	12	19	26			2	9	16	23	30
Tu	1	8	15	22	29			6	13	20	27			3	10	17	24	
We	2	9	16	23	30			7	14	21	28			4	11	18	25	
Th	3	10	17	24			1	8	15	22	29			5	12	19	26	
Fr	4	11	18	25			2	9	16	23	30			6	13	20	27	
Sa	5	12	19	26			3	10	17	24	31			7	14	21	28	
Su	6	13	20	27			4	11	18	25			1	8	15	22	29	
	July						August						September					
	27	28	29	30	31		31	32	33	34	35		36	37	38	39	40	
Mo		7	14	21	28			4	11	18	25			1	8	15	22	29
Tu	1	8	15	22	29			5	12	19	26			2	9	16	23	30
We	2	9	16	23	30			6	13	20	27			3	10	17	24	
Th	3	10	17	24	31			7	14	21	28			4	11	18	25	
Fr	4	11	18	25			1	8	15	22	29			5	12	19	26	
Sa	5	12	19	26			2	9	16	23	30			6	13	20	27	
Su	6	13	20	27			3	10	17	24	31			7	14	21	28	
	October						November						December					
	40	41	42	43	44		44	45	46	47	48		49	50	51	52	1	
Mo		6	13	20	27			3	10	17	24			1	8	15	22	29
Tu		7	14	21	28			4	11	18	25			2	9	16	23	30
We	1	8	15	22	29			5	12	19	26			3	10	17	24	31
Th	2	9	16	23	30			6	13	20	27			4	11	18	25	
Fr	3	10	17	24	31			7	14	21	28			5	12	19	26	
Sa	4	11	18	25			1	8	15	22	29			6	13	20	27	
Su	5	12	19	26			2	9	16	23	30			7	14	21	28	

Designed by Anny, annystudio.com

2015

	January						February						March					
	1	2	3	4	5		5	6	7	8	9		9	10	11	12	13	14
Mo		5	12	19	26			2	9	16	23			2	9	16	23	30
Tu		6	13	20	27			3	10	17	24			3	10	17	24	31
We		7	14	21	28			4	11	18	25			4	11	18	25	
Th	1	8	15	22	29			5	12	19	26			5	12	19	26	
Fr	2	9	16	23	30			6	13	20	27			6	13	20	27	
Sa	3	10	17	24	31			7	14	21	28			7	14	21	28	
Su	4	11	18	25			1	8	15	22			1	8	15	22	29	
	April						May						June					
	14	15	16	17	18		18	19	20	21	22		23	24	25	26	27	
Mo		6	13	20	27			4	11	18	25		1	8	15	22	29	
Tu		7	14	21	28			5	12	19	26		2	9	16	23	30	
We	1	8	15	22	29			6	13	20	27		3	10	17	24		
Th	2	9	16	23	30			7	14	21	28		4	11	18	25		
Fr	3	10	17	24			1	8	15	22	29		5	12	19	26		
Sa	4	11	18	25			2	9	16	23	30		6	13	20	27		
Su	5	12	19	26			3	10	17	24	31		7	14	21	28		
	July						August						September					
	27	28	29	30	31		31	32	33	34	35	36		36	37	38	39	40
Mo		6	13	20	27			3	10	17	24	31			7	14	21	28
Tu		7	14	21	28			4	11	18	25			1	8	15	22	29
We	1	8	15	22	29			5	12	19	26			2	9	16	23	30
Th	2	9	16	23	30			6	13	20	27			3	10	17	24	
Fr	3	10	17	24	31			7	14	21	28			4	11	18	25	
Sa	4	11	18	25			1	8	15	22	29			5	12	19	26	
Su	5	12	19	26			2	9	16	23	30			6	13	20	27	
	October						November						December					
	40	41	42	43	44		44	45	46	47	48	49		49	50	51	52	53
Mo		5	12	19	26			2	9	16	23	30			7	14	21	28
Tu		6	13	20	27			3	10	17	24			1	8	15	22	29
We		7	14	21	28			4	11	18	25			2	9	16	23	30
Th	1	8	15	22	29			5	12	19	26			3	10	17	24	31
Fr	2	9	16	23	30			6	13	20	27			4	11	18	25	
Sa	3	10	17	24	31			7	14	21	28			5	12	19	26	
Su	4	11	18	25			1	8	15	22	29			6	13	20	27	

Designed by Anny, annystudio.com

CIE IGCSE Chemistry Schemes of Work Overview

Scheme of Work	Content
1	Periodic table 1
2	Air and water
3	Acids, bases and salts
4	Organic chemistry 1
5	Chemical analysis techniques
6	Amount of substance
7	Periodic table 2
8	Electrochemistry and redox
9	Organic chemistry 2
10	Chemistry, bonding and structure

Assessment

Paper 1 Multiple choice question paper weighted at 30% of total available marks		45 minutes
and either:		or:
Paper 2 Core theory paper weighted at 50% of total available marks	1 hour 15 minutes	Paper 3 Extended theory paper weighted at 50% of total available marks
and either:		or:
Paper 4 Coursework weighted at 20% of total available marks	Paper 5 Practical test weighted at 20% of total available marks	Paper 6 Alternative to Practical paper weighted at 20% of total available marks

Alterations in the syllabus assessment, content and practical assessment sections for 2011 are indicated by black vertical lines on either side of the text.

Recommended Textbooks

Author	Title	Date	Publisher	ISBN
R. Norris & R. Stanbridge	<i>Chemistry for IGCSE</i>	2009	Nelson Thornes	9781408500187
R. Berry	<i>IGCSE Study Guide for Chemistry</i>	2005	Hodder Murray	0719579023
R. Harwood	<i>Chemistry (Edition 2)*</i>	2003	Cambridge University Press	0521530938

*This book is also available from Cambridge University Press in a Low Priced Edition (ISBN 0 5216 6662 7) from their local distributors in Africa, The Caribbean, Bangladesh, India, Nepal, Pakistan and Sri Lanka.

Reference books

Teachers may also find reference to the following books helpful. They are all suitable for use with this syllabus. Content of the books does not necessarily match the CIE syllabus closely and examples may be British in focus.

Author	Title	Date	Publisher	ISBN
A. Clegg	<i>Chemistry for IGCSE</i>		Heinemann	0435966758
B. Earl & L.D. Wilford	<i>IGCSE Chemistry</i>	2005	Hodder Murray	0719586178
G. Hill	<i>Chemistry Counts</i>		Hodder and Stoughton	0340639342
Lewis & Waller	<i>Thinking Chemistry (GCSE Edition)</i>		Oxford University Press	0199142572

These titles represent some of the texts available at the time of printing this booklet. Teachers are encouraged to choose texts for class use which they feel will be of interest to their students and will support their own teaching style.