PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH

SYLLABUS BREAKUP

Class: ____VIII - O level____ Subject: _Chemistry_____

Number of Teaching Weeks in First Term: (1 - 17)
Number of Teaching Weeks in Second Term: (18 - 34)

Name of Text Book: Cambridge IGCSE Chemistry by Bryan Earl and Doug Wilford

Week No.	Chapter No.	Day	Topic	Book Page Numbers
1	1	Day 1	The particulate nature of matter	1
		Day 2	Solids,liquids and gases	2
		Day 3	The kinetic theory of matter	2
		Day 4	The kinetic theory of matter	3
2		Day 1	Changes of state	4
		Day 2	Changes of state	5
		Day 3	Diffusion	6 ,7
		Day 4	Additional questions	9
3	2	Day 1	Elements	10
		Day 2	Elements	11
		Day 3	Elements	12
		Day 4	Compounds	13
4		Day 1	Compounds	14
		Day 2	Compounds	15
		Day 3	Mixtures	16
		Day 4	Separating mixture	17,18
5		Day 1	Separating mixture	19,20
		Day 2	Separating mixture	21
		Day 3	Separating mixture	22
		Day 4	Separating mixture	23

Week No.	Chapter No.	Day	Topic	Book Page Numbers
6		Day 1	Separating mixture	24
		Day 2	Accuracy in experimental work in Lab.	25
		Day 3	Gels,sols,foams and emulsions	26,27
		Day 4	Mixtures for strength	28
7		**Day 1**	**Additional questions**	**31**
		Day 2	**Additional questions**	**31**
		Day 3	**Additional questions**	**32**
		Day 4	**Additional questions**	**32**
8	3	Day 1	Inside atoms	33
		Day 2	Inside atoms	34
		Day 3	Inside atoms	35,36
		Day 4	The arrangement of electrons in atoms	37
9		**Day 1**	**Ionic bonding**	**38**
		Day 2	**Ionic bonding**	**39**
		Day 3	**Ionic bonding**	**40**
		Day 4	**Ionic bonding**	**41,42**
10		Day 1	Ionic bonding	43,44
		Day 2	Covalent bonding	45,46
		Day 3	Covalent bonding	47
		Day 4	Covalent bonding	48,49
11		**Day 1**	**Covalent bonding**	**50,51**
		Day 2	**Covalent bonding**	**52,53**
		Day 3	**Glasses and ceramics**	**54**
		Day 4	**Metallic bonding**	**55**

Week No.	Chapter No.	Day	Topic	Book Page Numbers
12		Day 1	Additional questions	58
		Day 2	Additional questions	58
		Day 3	Practice of ionic bonding	
		Day 4	Practice of Covalent bonding	
13	4	**Day 1**	**Relative atomic mass**	**59**
		Day 2	**Reacting masses**	**59**
		Day 3	**Reacting masses**	**60**
		Day 4	**Calculating moles**	**61**
14		Day 1	Calculating moles	62
		Day 2	Calculating moles	63
		Day 3	Calculating formulae	64
		Day 4	Calculating formulae	65
15		**Day 1**	**Moles and chemical equations**	**66**
		Day 2	**Moles and chemical equations**	**67**
		Day 3	**Moles and chemical equations**	**68**
		Day 4	**Additional questions**	**71,72**
16		Day 1	Revision chapter 1	
		Day 2	Revision chapter 2	
		Day 3	Revision chapter 3	
		Day 4	Revision chapter 4	
17	5	**Day 1**	**Electricity and chemistry**	**72**
		Day 2	**Electrolysis of lead (II) bromide**	**73**
		Day 3	**Electrolysis of aluminium oxide**	**74**
		Day 4	**Electrolysis of aluminium oxide**	**75**

Week No.	Chapter No.	Day	Topic	Book Page Numbers
18		Day 1	Electrolysis of aluminium oxide	76
		Day 2	Electrolysis of aqueous solutions	77
		Day 3	Electrolysis of aqueous solutions	78
		Day 4	Electrolysis of aqueous solutions	79
19		**Day 1**	**Electrolysis of conentrated HCl**	**80**
		Day 2	**Electrolysis of CuSO4 solution**	**80**
		Day 3	**Electrolysis of CuSO4 solution**	**81**
		Day 4	**Electrolysis of CuSO4 solution**	**82**
20		Day 1	Electrolysis guidelines	83
		Day 2	Electroplating	84
		Day 3	Additional questions	86
		Day 4	Additional questions	87
21	6	**Day 1**	**Substance from oil**	**88**
		Day 2	**Substance from oil**	**89**
		Day 3	**Fossil fuel**	**90**
		Day 4	**Fossil fuel**	**91**
22		Day 1	What is a fuel?	92
		Day 2	Alternative source of energy	93
		Day 3	Alternative source of energy	94
		Day 4	Chemical energy	95
23		**Day 1**	**Chemical energy**	**96**
		Day 2	**Changes of state**	**97**
		Day 3	**Cells and batteries**	**98**
		Day 4	**Cells and batteries**	**99**

Week No.	Chapter No.	Day	Topic	Book Page Numbers
24		Day 1	Additional questions	101
		Day 2	Additional questions	102
		Day 3	Additional questions	103
		Day 4	Additional questions	103
25	**7**	**Day 1**	**Chemical reactions**	**104**
		Day 2	**Factors that affect the rate of reaction**	**105**
		Day 3	**Factors that affect the rate of reaction**	**106**
		Day 4	**Factors that affect the rate of reaction**	**107**
26		Day 1	Factors that affect the rate of reaction	108
		Day 2	Factors that affect the rate of reaction	109,110
		Day 3	Enzymes	111
		Day 4	Enzymes	112
27		**Day 1**	**Enzymes**	**113**
		Day 2	**Additional questions**	**115**
		Day 3	**Additional questions**	**116**
		Day 4	**Additional questions**	
28	8	Day 1	Acids and alkalis	117
		Day 2	Acids and alkalis	118
		Day 3	Acids and alkalis	119
		Day 4	Acids and alkalis	120
29		**Day 1**	**Acids and alkalis**	**121**
		Day 2	**Formation of salts**	**122**
		Day 3	**Formation of salts**	**123**
		Day 4	**Formation of salts**	**124**

Week No.	Chapter No.	Day	Topic	Book Page Numbers
30		Day 1	Formation of salts	125
		Day 2	Formation of salts	126
		Day 3	Crystal hydrates	127
		Day 4	Crystal hydrates	128
31		**Day 1**	**Solubility of salts in water**	**129**
		Day 2	**Titration**	**130**
		Day 3	**Titration**	**131**
		Day 4	**Additional questions**	**133**
32		Day 1	Additional questions	134
		Day 2	Revision of chapter 5	
		Day 3	Revision of chapter 5	
		Day 4	Revision of chapter 5	
33		**Day 1**	**Revision of chapter 6**	
		Day 2	**Revision of chapter 6**	
		Day 3	**Revision of chapter 7**	
		Day 4	**Revision of chapter 7**	
34		Day 1	Revision of chapter 8	
		Day 2	Revision of chapter 8	
		Day 3	Test of chapters 5,6	
		Day 4	Test of chapter 7,8	