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Course Name	Chemistry
Standard	Cambridge O'Level/ IGCSE
Semester:	January session 2022

INSTRUCTOR INFORMATION

1. Instructor Name:	Sanjana Haque
2. Course description	The course is intended for students who are sitting for Cambridge IGCSE/O'Level Chemistry Examination and provides learners a solid foundation for further scientific study.
3. Class Timing:	████████████████████ ██ ████████████████████
4. Instructor Phone:	██████████
5. Email Address:	Sanjanahaque2014@gmail.com

LEARNING RESOURCES AND TEXTBOOK(S)

Text Book(s)

Author	Title	Edition & Year	Publisher	ISBN
Richard Hardwood and Ian Lodge	Cambridge IGCSE Chemistry Coursebook	2nd Edition (2014)	Cambridge University Press: 2014	9781107615038

CLASS ROOM RULES OF CONDUCT

1. Cellular phones should be “turned off”/“Silent mode” during the class.
2. Be on time.

EXAMS, QUIZ, & MAKE UP POLICY

There will be several mock examinations after the syllabus content is covered. Participation in these tests is compulsory.

Attendance in the class is strongly recommended.

NOTE 1: The course plan is tentative and subject to change as the semester progresses; any change(s) will be communicated accordingly.

NOTE 2: Additional information will be posted on Google Classroom page.

Course Contents & Schedule

CLASS SCHEDULE FOR IGCSE Chemistry

Note: The instructor reserves the right to make changes to the syllabus if necessary.

Topic	Week #	Lesson #	Topic	Reading Assignment
The particulate nature of Matter	1	1	Kinetic particle Theory Atomic Structure	Chapter 2
		2	Structure and properties of materials Ionic bonding	Chapter 2
	2	3	Covalent Bonding Mettalic Bonding	Chapter 2
		4	Formula	Chapter 3
Formula, stoichiometry and mole concept	3	5	Stoichiometry	Chapter 3
		6	Mole concept	Chapter 3
	4	7	Energy from Chemicals	Chapter 5
8		Energy from chemicals	Chapter 5	
Energy from Chemicals				
Chemical Reactions	5	9	Rate of Reaction	Chapter 6
		10	Redox Reversible reactions	Chapter 6
The chemistry and uses of acid, bases and salt	6	11	The characteristic Properties of acid and bases	Chapter 7
		12	Preparation of salts Properties and uses of ammonia Sulfuric acid	Chapter 7
The periodic table	7	13	Periodic trends Group properties	Chapter 8
		14	Transition Elements	Chapter 8
Metals	8	15	Properties of metals Reactivity series	Chapter 9
		16	Extraction of metals Iron Aluminium	Chapter 9
Atmosphere and Environment	9	17	Air Water	Chapter 10
		18	Alkanes	Chapter 11
Organic Chemistry	10	19	Alkenes	Chapter 11
		20	Alkenes	Chapter 11
	11	21	Alcohol Carboxylic acid	Chapter 11
		22	Polymers	Chapter 11

Electrolysis	12	23	Electrolysis introduction	Chapter 4
		24	Application of Electrolysis	Chapter 4
Experimental chemistry	13	25	Experimental design	Chapter 1
		26	Methods of Purification and analysis	Chapter 1
Practical skills	14	27	Identification of ions and gases	Chapter 1
		28	Practical skills	Chapter 6.3
	15	29	Practical skills	Chapter 6.4
		30	Practical skills	Chapter 6.5
	16	Question and Answer Session		
		Mock test – Question paper solving		
	17	Mock test – Question paper solving		
		Mock test – Question paper solving		
	18	Mock test – Question paper solving		
		Mock test – Question paper solving		
	19	Mock test – Question paper solving		
		Question and Answer Session		
	20	Mock test – Question paper solving		
		Mock test – Question paper solving		
	21	Mock test – Question paper solving		
		Question and Answer Session		
	22	Mock test – Question paper solving		
		Mock test – Question paper solving		
	23	Mock test – Question paper solving		
		Mock test – Question paper solving		

During Question and Answer Session, students can discuss with the instructor about their doubts regarding any specific topic, exercise or exam.