



Curriculum Implementation Plan for Chemistry Grade IX
2018-2019

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
1.	April 2 nd and 3 rd week	8/4/18	Unit 1. Fundamentals of Chemistry <ul style="list-style-type: none">• Branches of Chemistry• Basic Definitions• Chemical species• Avogadro's number and mole• Chemical calculations <ul style="list-style-type: none">• Society, Technology and Science	<ul style="list-style-type: none">• Standard 2.1 Students will display a sense of curiosity and wonder about the natural world and demonstrate an increasing awareness that this has led to new development in science and technology. They will learn from books and other sources of information and reconstruct previously learned knowledge.• Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science.	6

2	April/ May 4 th week/1 st week	22/4/18	<p>Unit 2 – Structure of Atom</p> <ul style="list-style-type: none"> • Theories and experiments related to atomic structure • Isotope • Electronic configuration of the first 20 elements <ul style="list-style-type: none"> • Society, Technology and Science 	<p>Standard 1.1 Students will understand the process of scientific investigation .They will be able to identify problems, design and conduct experiment and conventional tools including technology.</p> <ul style="list-style-type: none"> • Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science. 	6
3	May 2 nd and 3 rd week	13/05/18	<p>Unit 3– Periodic Table and Periodicity of properties</p> <ul style="list-style-type: none"> • periodic table • Periodic properties 	<ul style="list-style-type: none"> • Standard 1.2 Students will describe and explain common properties form and interactions between matter and energy; their transformation and applications in biological, chemical and physical system. 	6

			<ul style="list-style-type: none"> Society, Technology and Science 	<ul style="list-style-type: none"> Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science 	
4	May/June 5 th week/1 st week	27/05/18	Unit 8 – Chemical Reactivity <ul style="list-style-type: none"> METALS Non-Metal <ul style="list-style-type: none"> Society, Technology and Science 	<ul style="list-style-type: none"> Standard 1.2 Students will describe and explain common properties form and interactions between matter and energy; their transformation and applications in biological, chemical. Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is 	6

				related to other ways of knowing and how people have contributed to and influenced development in science and physical system.	
	September	04/09/2018	1st Terminal Exams, 2018		
5.	September/ October 4 th week/1 st and 2 nd week	28/8/18	<p>Unit 4 – Structure of Molecule</p> <ul style="list-style-type: none"> • Why do atoms react? • Chemical Bond • Types of bond • Intermolecular forces • Nature of bonding and properties <ul style="list-style-type: none"> • Society, Technology and Science 	<ul style="list-style-type: none"> • Standard 1.1 Students will understand the process of scientific investigation .They will be able to identify problems, design and conduct experiment and conventional tools including technology. • Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science and physical system. 	12

6	October 2 nd and 3 rd week	09/10/18	<p>Unit 5 – Physical States Of Matter</p> <ul style="list-style-type: none"> • Physical properties of matter • Laws related to gases • Properties of gas ,liquid and solid state <ul style="list-style-type: none"> • Society, Technology and Science 	<ul style="list-style-type: none"> • Standard 1.2 Students will describe and explain common properties form and interactions between matter and energy; their transformation and applications in biological, chemical. • Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science and physical system. 	9
7	October/ November 5 th week/ 1 st and 2 nd week	28/10/18	<p>Unit 6– Solutions</p> <ul style="list-style-type: none"> • solution, aqueous solution, solute and solvent • Saturated, unsaturated and supersaturated solution • Types of solution • Concentration Units • Comparison of solution ,suspension and colloids 	<ul style="list-style-type: none"> • Standard 1.2 Students will describe and explain common properties form and interactions between matter and energy; their transformation and applications in biological, chemical and physical system. 	9

			<ul style="list-style-type: none"> Society, Technology and Science 	<ul style="list-style-type: none"> Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science and physical system. 	
	November	13/11/2018	Revision		
	November/ December	27/11/2018	2nd Terminal Exams,2018		
8	January 1 st , 2 nd and 3 rd week	02/01/2019	Unit 7– Electrochemistry <ul style="list-style-type: none"> oxidation and reduction State the common rules for assigning oxidation states Sketch the electrochemical cells Electrochemical industries Corrosion and its prevention <ul style="list-style-type: none"> Society, Technology and Science 	<ul style="list-style-type: none"> Standard 1.1 Students will understand the process of scientific investigation .They will be able to identify problems, design and conduct experiment and conventional tools including technology. Standard 3.1 Students will demonstrate an understanding of the impact of science and technology on society and use science and technology to identify problems and creatively 	12

				address them in their personal, social and professional lives. They will explain how science is related to other ways of knowing and how people have contributed to and influenced development in science and physical system.	
	January	30/01/2019	Revision		
	February	10/02/2019	PrelimExams,2019		

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