

**D.P.S. MATHURA ROAD, NEW DELHI - SUBJECT : CHEMISTRY – CLASS 8TH
FORTNIGHTLY DISTRIBUTION OF SYLLABUS FOR SESSION 2018-19**

S. N O	FORTNIGHT	Total No. of Days	MAIN UNIT / CHP	SUB TOPICS	DISTRIBUTION	Total Periods	ASSIGNMENT DATES	UNIT TEST DATES + SYLLABUS	ACTIVITY/PROJECT
1.	2 nd April - 13 th April	11 days	Chapter 3 Synthetic Fibres and Plastics	-Natural and artificial fibres -What are synthetic fibres -Polymers -Types of synthetic fibres -Rayon, -Nylon -Polyester,-Acrylic. -Characteristics of synthetic fibres	1 1 1 1	4			PROJECT FA1(any 1) A. List the various kinds of materials used at home. What are the sources from which they are made? Are they bio-degradable or non bio-degradable?
2.	16 th April –27 th April	11 Days	Chapter 3 (contd .)	-Plastics-- Thermo-Plastics -Thermosetting-Plastics Plastics as materials of Choice -Plastic is non-reactive -Plastic is light, strong, -Plastics are poor conductors. Plastics and the environment. -Problems caused due plastics -How to reduce use of plastics. Exercises.	2 2	4			B. Compare and contrast between different fabrics on the basis of their properties.
3.	1 st May – 18 th May	14 days		-Physical Properties of Metals and Non-Metals -Physical appearance Hardness of materials. Malleability and Ductility of materials.	3 3	6			C. Debate on the positive and negative of synthetic materials.
PTM ON 12TH MAY 2018 SUMMER VACATIONS FROM 19th MAY TO 1st JULY 2018									
4.	2 nd July – 13 th July	10 days	Chapter 4 Materials – Metals and Non Metals	- -Electrical & heat Conductivity of Materials -- Lustre -Sonorous nature of some materials Exceptional behavior of some materials (non-evaluative	4	4	Assignment-1 upload ed on 3/7/18 Sub-5/7/18 Ret-12/7/18		PROJECT FA 2 (any 1) A. Collect several common materials of daily use and classify them into metallic and non-metallic substances. Are there materials made from both metals and non-metal? Find out about them

5	16 TH July- 31 st July	13 da ys		-Chemical Properties of Metals -Reaction with oxygen -Formation of rust -Testing the nature of rust (Act 4.3)	3 2	5		Unit Test- 16-07-2018 Ch-3 Synthetic Fibres and Plastics	
6	1 st August – 18 TH August	13 da ys	Chapter 4 Materials – Metals and Non Metals	Burning of Magnesium in air Testing the nature of Magnesium oxide -Reaction with Copper (non- evaluative -Chemical Properties of Non-Metals -Reaction with oxygen -Burning of Sulphur Testing the nature of oxide of Sulphur. Metals and nonmetals in acids and bases. Chemical Properties of Metals Reaction with water of sodium (Act 4.5)	2 3 1	6			

7	20 th August –4 th September (contd.)	10 da ys	Chapter 4 (contd.)	Chemical Properties of Non-Metals -- Reaction of phosphorus with water. Chemical Properties of Metals and Non-Metals Reaction with acids and bases, Displacement Reactions, uses of metals & non metals Exercises	2 2	4	Assign ment-2 Upload ed on 21-08- 2018 Sub 24/8/18 Ret 31/8/18	B. Collect pictures showing the uses of metals and non –metals and display on a bulletin board. C. How are metals sold in the market? What are the prices of the metals in the market? Reasons for the difference in prices. PROJECT FA 3 (any 1) A. Compare and contrast between coal and petroleum.
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COMPLETION OF SYLLABUS 04th Sept 2018
REVISION 6th September to 11th Sept 2018 (5 DAYS)
Mid Term Exams from 12th September to 22nd September 2018
PTM 13TH Oct 2018

8.	24 th September — 17 th October	17 day s	Chapter 5 (coal and petroleum.)	Natural and man-made resources Inexhaustible and Exhaustible natural resources Fossil fuels.- Coal –Story of Coal and uses of Coal. -Coke, Coal Tar, Coal Gas Petroleum -Refining of Petroleum- Various Constituents of Petroleum and their uses. -Natural Gas -Some Natural Resources are Limited. -Exercises	1 2 2 2	7	Assign ment-3 Upload ed 04- 10-2018 Sub 8/10/18 Ret 15/10/1 8	B. Encourage students to find out and discuss about the problems and solutions of using alternative sources of energy like wind and solar.
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**DUSSHERA BREAK FROM 18THOCT TO 21STOCT
OBER 2018**

9.	22 ND Oct – 3 rd Nov.	10 days	Chapter 6 Combustion and Flame	-What is combustion -What is a fuel- -Combustible and Non-Combustible substances – Act 6.1 Conditions needed for combustion to take place. To show that air is essential for combustion to take place Act-6.2	2	4			C. Find out about the fuel used in different vehicles – cars, buses, trucks, airplanes and rockets.
				Conditions needed for combustion to take place. To show that air is essential for combustion to take place Act-6.2	2			D. Visit a fire station to find out how they operate. Talk to them to find out about the Fire extinguishers they use for different fires.	
DIWALI BREAK FROM 05TH NOV 2018 TO 11TH NOV 2018									
10	12 TH Nov.– 30 TH Nov.	13 days	Chapter 6 (contd.)	To show that air is essential for combustion to take place Act-6.3	2	6	Assignment-4 Uploaded 20-11-2018 Sub 22/11/2018 Ret 28/11/18		
				To show that Correct Ignition Temperature is needed for combustion to take place– Act 6.4- Inflammable substances --How do we control fires -Fire Extinguishers	2 2				
11	3 rd Dec. – 15 TH Dec.	11 days	Chapter 6 (contd.)	Types of combustion -- Rapid, Spontaneous, Explosion -Flame -Materials forming a flame on burning -Structure of flame (Act 6.5)	2 2	4		Unit Test-30-11-2018 Ch-5 Coal and Petroleum Chapter 6 Combustion and Flame-Till Act-6.2	E. Find out about new technologies like electric and solar vehicles to reduce the use of fossil fuels. Example - Reva car.
12	17 TH Dec.– 29 TH Dec.		Chapter 6 (contd.)		2	4			

		10 days		Different Zones of a candle flame (diagram and features) What is an ideal fuel – Fuel Efficiency Numerical based on calorific value -Burning of fuels leads to harmful products. -Exercises	2				
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WINTER BREAK 31ST DEC TO 9TH JAN 2019

13	10 th Jan-25 th Jan 2019	12 days	Chapter 18 Pollution- Air and Water	Chapter 18 -Introduction, Air Pollution -How does Air get polluted -Air Pollutants, their sources and effects	2 3	5			
14	28 th Jan-8 th Feb .2019	10 days	Chapter 19 Pollution- Air and Water	. -Case Study – The TajMahal - Acid Rain -Green House effect. -Green Houses gases. -Global warming What can be done to reduce air Pollution Water Pollution -How does water get polluted. Ganga Action Plan	2 2	4			

