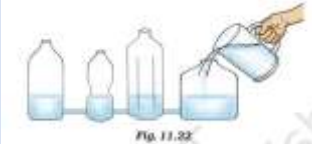


NAVY CHILDREN SCHOOL, DELHI
CHAPTER WISE SPLIT UP SYLLABUS (AMENDED) FOR
ANNUAL YEAR 2021-22
CLASS VIII
SCIENCE

MONTH	CHAPTER NO	CHAPTER NAME	SUGGESTED ACTIVITIES
<u>TERM 1</u>			
APRIL	CH- 1	CROP PRODUCTION AND MANAGEMENT	<ol style="list-style-type: none"> 1. Create your own garden at home in a pot by taking 2-3 seeds, follow all the agricultural practices. 2. Create your own drip irrigation system using a bottle. https://youtu.be/cPV7vLQ9Wiw 3. To separate healthy seeds from damaged seeds by dropping seeds in a container filled with water 4. Make compost at home using kitchen waste
JUNE	CH-2 CH-3	MICRO-ORGANISMS : FRIEND AND FOE SYNTHETIC FIBRES AND PLASTICS	<ol style="list-style-type: none"> 1. To collect ingredient list from any 5 food items and identify the different preservatives being used. 2. Observe the fermentation of sugar for alcohol preparation.
JULY	CH-3	SYNTHETIC FIBRES AND PLASTICS (CONTINUED)	<ol style="list-style-type: none"> 1. Create a poster on 5R principle 2. Collect different types of fabric, paste it in your notebook and write its characteristics.
AUGUST	CH-4	MATERIALS : METALS AND NON METALS	<ol style="list-style-type: none"> 1. Classify different materials around you as metals and non-metals. 2. To demonstrate displacement reaction in the class.

			<ol style="list-style-type: none"> To demonstrate burning of magnesium ribbon in the class and using litmus paper test the nature of ashes of magnesium ribbon. To understand physical properties of metals and non-metals by observing various examples of metals used in daily life.
	CH-6	COMBUSTION AND FLAME	<ol style="list-style-type: none"> Find out the number, type and location of fire extinguishers available in your school, nearby shops and factories. Write a brief report about the preparedness of these establishments to fight fire Make index cards on variety of fuels used in our country and mention their calorific value. To understand complete and incomplete combustion by observing a candle flame and keeping a glass at the tip of candle flame (sooty deposit)
	CH- 8	CELL-STRUCTURE AND FUNCTION	<ol style="list-style-type: none"> To observe the slides of amoeba under microscope.
SEPTEMBER	CH-8	CELL-STRUCTURE AND FUNCTION (CONTINUED) REVISION FOR HALF YEARLY EXAMS	<ol style="list-style-type: none"> Make 3D models of a plant cell and animal cell
		<u>TERM 2</u>	
OCTOBER	CH-9	REPRODUCTION IN ANIMALS	Talk to a doctor. Find out how twinning occurs. Look for any twins in your neighborhood, or among your friends. Find out if the twins are identical or non-identical. Also find out why identical twins are always of the same sex? If you know of any story about twins, write it in your own words.

	CH-10	REACHING THE AGE OF ADOLESCENCE	<p>1. Collect newspaper cuttings and information in magazines about HIV/AIDS. Write a one page article of 15 to 20 sentences on HIV/AIDS.</p> <p>2. Prepare a poster on the well-being of adolescent individuals.</p>
NOVEMBER	CH-11	FORCE AND PRESSURE	<p>1. Take 4-5 plastic bottles of different shapes and sizes. Join them together with small pieces of glass or rubber tube as shown in Fig. 11.22. Keep this arrangement on a level surface. Now pour water in any one of the bottles. Note whether the bottle in which water is poured gets filled first or all the bottles get filled up simultaneously. Note the level of water in all the bottles from time to time. Try to explain your observations.</p>  <p>2. Study the relationship between area, pressure and force.</p>
	CH-12	FRICTION	<p>1. What role does friction play in the sport of your choice? Collect some pictures of that sport in action where friction is either supporting it or opposing it. Display these pictures in the PPT.</p> <p>2. Organize a debate and discussion on the topic- "if there is no friction on earth"</p>
DECEMBER	CH-13	SOUND	<p>Identify the sources of noise pollution in your locality. Discuss with your parents, friends and neighbours. Suggest how to control noise pollution. Prepare a brief report and present it in the class.</p>

	CH-14	CHEMICAL EFFECTS OF ELECTRIC CURRENT	<p>1. Find out the health concerns associated with chromium electroplating.</p> <p>2. Test the conduction of electricity through various fruits and vegetables. Display your result in a tabular form.</p>
JANUARY	CH-16	LIGHT	<p>1. Survey your neighborhood. Find out how many children below the age of 12 years use spectacles. Find out from their parents what, in their view, could be the reason for the weak eyesight of their children.</p> <p>2. Study the laws of reflection using plane mirror and torch light at home. Record the observations on a page</p>
FEBRUARY			REVISION FOR ANNUAL EXAMS
MARCH			CONDUCT OF CFE 2021-22

DELETED CHAPTERS FOR THE ANNUAL YEAR 2021-22

CHAPTER NO	CHAPTER NAME
CH-5	COAL AND PETROLEUM
CH-7	CONSERVATION OF PLANTS AND ANIMALS
CH- 15	SOME NATURAL PHENOMENON
CH-17	STARS AND THE SOLAR SYSTEM
CH-18	POLLUTION OF AIR AND WATER