

ARMY GOODWILL PUBLIC SCHOOL RAJOURI

SPLIT UP SYLLABUS OF SCIENCE SESSION 2021-22

NCERT BOOK SCIENCE TEXT BOOK FOR CLASS VIII

S NO	MONTH AND ASSESSMENT	UNIT	DETAILS	NO OF PERIODS ALLOTTED	PRACTICALS
1	APRIL	UNIT-I	<p>CHAPTER 1: CROP PRODUCTION AND MANAGEMENT</p> <p>1.1: Agricultural Practices 1.2: Basic Practices of Crop Production 1.3: Preparation of Soil 1.4: Sowing 1.5 Adding Manure and Fertilizers 1.6: Irrigation 1.7: Protection from Weeds 1.8: Harvesting 1.9: Storage 1.10: Food from Animals</p> <p>Chapter 2: Microorganisms: Friend and Foe</p> <p>2.1: Microorganisms 2.2: Where do Microorganisms Live? 2.3: Microorganisms and Us 2.4: Harmful Microorganisms 2.5: Food Preservation 2.6: Nitrogen Fixation 2.7: Nitrogen cycle</p>	11 12	To study the fermentation of dough by yeast.
2	MAY PERIODIC ASSESSMENT-1 SYLLABUS-CH-1,2,3,12	UNIT-I	<p>Chapter 3: Synthetic Fibres And Plastics</p> <ul style="list-style-type: none">3.1: What are Synthetic Fibres?3.2: Types of Synthetic Fibres3.3: Characteristics of Synthetic Fibres3.4: Plastics3.5: Plastics as Materials of Choice3.6: Plastics and the Environment <p>Chapter 12: Friction</p> <ul style="list-style-type: none">12.1: Force of Friction12.2: Factors affecting Friction12.3: Friction: A Necessary Evil12.4: Increasing and Reducing Friction12.5: Wheels Reduce Friction12.6: Fluid Friction	11 6	To measure the weight of an object using a spring balance.

			• REVISION		
3	JUNE		HOLIDAYS		
4	JULY	TERM-I	<p>Chapter 4: Materials: Metals and Non-Metals</p> <p>4.1: Physical Properties of Metals and Non-metals 4.2: Chemical Properties of Metals and Non-metals 4.3: Uses of Metals and Non-metals</p> <p>Chapter 5: Coal And Petroleum</p> <p>5.1: Coal 5.2: Petroleum 5.3: Natural Gas 5.4: Some Natural Resources are Limited</p>	12 10	To study the differences between metals and non metals.
5	AUGUST	TERM-I	<p>Chapter 6: Combustion And Flame</p> <p>6.1: What is Combustion? 6.2: How Do We Control Fire? 6.3Types of Combustion 6.4: Flame 6.5: Structure of a Flame 6.6: What is a Fuel? 6.7: Fuel Efficiency</p> <p>Chapter 7: Conservation of Plants and Animals</p> <p>7.1: Deforestation and Its Causes 7.2: Consequences of Deforestation 7.3: Conservation of Forest and Wildlife 7.4: Biosphere Reserve 7.5: Flora and Fauna 7.6: Endemic Species 7.7: Wildlife Sanctuary 7.8: National Park 7.9: Red Data Book 7.10: Migration 7.11: Recycling of Paper 7.12: Reforestation</p> <p>Chapter 8:Cell- Structure and functions</p> <p>8.1: Discovery of the cell 8.2:The cell</p> <p>8.3:Organisms show variety in cell number, shape and size.</p>	9 8 14	To study the different zones of candle flame. To study the conditions necessary for combustion. To study the differences between a plant cell and an animal cell

			<p>Frequency of a vibration 13.6: Audible and Inaudible Sounds 13.7: Noise and Music 13.8: Noise Pollution</p>		
8	NOVEMBER	UNIT-II	<p>Chapter 14: Chemical Effects Of Electric Current</p> <p>14.1: Do Liquids Conduct Electricity? 14.2: Chemical Effects Of Electric Current 14.3: Electroplating</p> <p>Chapter 15: Some Natural Phenomena</p> <p>15.1: Lightning 15.2: Charging by Rubbing 15.3: Types of Charges and Their Interaction 15.4: Transfer of Charge 15.5: The Story of Lightning 15.6: Lightning Safety 15.7: Earthquakes</p>	12	To show that similar charges repel each other.
		TERM-II		8	
9	DECEMBER	TERM-II	<p>Chapter 17: Stars And The Solar System</p> <p>17.1: The Moon 17.2: The Stars 17.3: Constellations 17.4: The Solar System 17.5: Some Other Members of the Solar System</p> <p>Chapter 18: Pollution of Air and Water</p> <p>18.1: Air Pollution 18.2: How does Air Get Polluted? 18.3: Case Study- The Taj Mahal 18.4: Greenhouse Effect 18.5: What can be done? 18.6: Water Pollution 18.7: How does Water Get Polluted? 18.8: What is Potable Water and How is Water Purified? 18.9: What Can be Done?</p> <p>REVISION</p>	10	
	PERIODIC ASSESSMENT 2 SYLLABUS CH- 10,11,13,14			10	
10	JANUARY	TERM-II	<p>Chapter 16: Light</p> <p>16.1: What makes Things Visible 16.2: Laws of Reflection 16.3: Regular and Diffused Reflection 16.4: Reflected Light Can be Reflected Again 16.5: Multiple Images 16.6: Sunlight – White or Coloured</p>	15	

			16.7: What is inside Our Eyes? 16.8: Care of the Eyes 16.9: Visually Impaired Persons Can Read and Write 16.10: What is Braille System?		
11	FEBRUARY	REVISION	REVISION		
12	MARCH FINAL EXAMS SYLLABUS- CH- 15,16,17,18		FINAL EXAMS		