

D.A.V.PUBLIC SCHOOLS,CG ZONE

SPLIT UP OF SYLLABUS

SUBJECT- SCIENCE AND TECHNOLOGY CLASS: VII

TERM -I – APRIL 2023 TO SEPTEMBER 2023

MONTH/WORKING DAYS	CHAPTER/TOPIC	SUGGESTED ACTIVITIES
APRIL(20)	1-NUTRITION IN LIVING ORGANISM- PLANTS 2- NUTRITION IN LIVING ORGANISM- ANIMALS AND MAN	1-Observe stomata on lower/ upper surface of a leaf 2-To study functioning of stomata applying a layer of Vaseline on the surface of a leaf 3-To study symbiotic association in lichens 1-Digestive properties of saliva. Use clay/ woolen thread to make model showing nutrition in amoeba
JUNE(04)	3-CHEMICAL SUBSTANCES AND PROCESSES	Demonstration of combination reaction (Burning of magnesium ribbon), Neutralization and displacement reaction (Iron nail and copper sulphate)
JULY(24)	CHAP-3 to be contd. 4- ACID, BASES AND SALTS 5.HEAT	Collection of compounds and mixtures (Soil, common salt, washing soda, sand) 1-Testing of Acids and Bases, commonly found in our household items (Vinegar, soap) with the help of various indicators 2-To test acidic, basic and neutral salts by using litmus paper and phenolphthalein indicator 3-Preparation of electrolyte and demonstrate that it conducts electricity (Sodium chloride, copper sulphate etc.) 1-Activity to show conduction convection and radiation 2-Measure the temperature of ice, boiled water, human body by using thermometer
SYLLABUS OF PERIODIC TEST-I APRIL TO JULY 2023(FIRST 25% OF SYLLABUS) 1.NUTRITION IN LIVING ORGANISMS-PLANTS 2.NUTRITION IN LIVING ORGANISMS-ANIMALS AND MAN 3.CHEMICAL SUBSTANCES AND PROCESSES 4.ACID,BASES AND SALTS		

AUGUST(25)	CHAP-5. HEAT-to be continued. 6-MOTION AND TIME 7.RESPIRATION IN ORGANISM	3-Comparison of clinical and laboratory thermometers, 4-Least count of thermometer 5-Activity to show that black objects absorb more heat than white objects Demonstrate Time-Period using a simple pendulum. Measure the speed of various objects(pencil, plastic ball, toy car) kept at inclined plane 1-Demonstrate and observe anaerobic respiration in yeast 2-Working model showing breathing mechanism
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SEPTEMBER (13)	8. TRANSPORTATION IN PLANTS AND ANIMALS	1.Demonstration of water transportation in plants by using white flower and colored water. 2-To observe fermentation process in batter of idli. 3-Revision and first Term Examination
SYLLABUS OF TERM-I/HY APRIL TO SEPTEMBER 2023 (FIRST 50% OF THE ENTIRE SYLLABUS)		

TERM II - OCTOBER 2023 TO MARCH 2024

MONTH/WORKING DAYS	CHAPTER/TOPIC	SUGGESTED ACTIVITY
OCTOBER(20)	9-REPRODUCTION IN PLANTS 10-SOIL	1-Spore formation in bread mould 2-Different modes of vegetative propagation through sampling and chart 3-Demonstrate unisexual and bisexual flowers through collection of different flowers 4-Collect different seeds to show different modes of seed dispersal 1-Collection of different types of soil to study their properties. 2-Making model of soil profile 3-Demonstrate plasticity and cohesion property of soil of different types.
NOVEMBER (18)	11-ELECTRIC CHARGES AT REST 12-LIGHT	1-To demonstrate attraction of unlike charges and repulsion of like charges 2-Classification of materials into conductors and insulators 1-To demonstrate the property of image formed by plane, concave, and convex mirrors. 2-To make kaleidoscope 3-To demonstrate the law of reflection
DECEMBER(24)	13-WEATHER, CLIMATE AND ADAPTATION OF ANIMALS 14-FABRIC FROM FIBRE 15-FOREST	To collect weather report from newspaper and stick in scrap book. Find out the name of different breeds of sheep and the places where they are found. Make a list of 5 to 10 wildlife sanctuaries in India and locate them on the map.
SYLLABUS OF PERIODIC TEST-III OCT TO DECEMBER 2023(NEXT 25% OFSYLLABUS AFTER TERM-I/HY) 9.REPRODUCTION IN PLANTS 10.SOIL 11.ELECTRIC CHARGES AT REST 14.FABRIC FROM FIBRE 15.FOREST		

JANUARY (24)	16- WATER 17-ELECTRIC CURRENT AND ITS EFFECTS	1-Role play- save water 2-Model of rainwater harvesting and conservation of water(Drip irrigation and sprinkler 1-To make an electromagnet and study the factors that affects its strength. 2-To study the heating effect of nichrome wire 3-Make simple electric circuit in series and parallel
FEBRUARY (16)	Revision30% syllabus of TERM-I(CHAPTER -1 , 3 AND 6)	
SYLLABUS OF TERM-II/ANNUAL EXAM (ZONAL LEVEL) OCTOBER 2023 TO FEBRUARY 2024 (50%+30% SYLLABUS OF TERM-I)		

MARKS DISTRIBUTION FOR FIRST TERMINAL EXAMINATION

CHAPTER NO.	UNIT /TOPIC/CHAPTER	MARKS
1	NUTRITION IN LIVING ORGANISMS-PLANTS	8
2	NUTRITION IN LIVING ORGANISMS-ANIMALS AND MAN	10
3	CHEMICAL SUBSTANCES AND PROCESSES	10
4	ACID BASES AND SALTS	10
5	HEAT	10
6	MOTION AND TIME	6
7	RESPIRATION IN ORGANISMS	8
8	TRANSPORTATION IN PLANTS AND ANIMALS	8
	TOTAL MARKS	70

MARKS DISTRIBUTION FOR II TERMINAL/Annual EXAMINATION

CHAPTER NO.	UNIT /TOPIC/CHAPTER	MARKS
9	REPRODUCTION IN PLANTS	8
10	SOIL	6
11	ELECTRIC CHARGES AT REST	7
12	LIGHT	8
13	WEATHER, CLIMATE AND ADAPTATION OF ANIMALS	7
14	FABRIC FROM FIBRE	4
15	FOREST	6
16	WATER	5
17	ELECTRIC CURRENT AND ITS EFFECTS	7
1.	NUTRITION IN LIVING ORGANISMS-PLANTS	4
3.	CHEMICAL SUBSTANCES AND PROCESSES	4
6.	MOTION AND TIME	4
	TOTAL MARKS	70