

ARMY PUBLIC SCHOOL, MUMBAI (2019-2020)
STANDARD CURRICULUM

CLASS: VII

SUB: SCIENCE

<u>SI.NO</u>	<u>MONTH</u>	<u>Chap No</u>	<u>Name of the Chapter</u>	<u>Skills</u>	<u>Activity</u>	<u>Core values</u>
			TERM-I			
01	APR	01	NUTRITION IN PLANTS	1. Curiosity 2.Creativity 3. Activity based learning 4.Teamwork	Starch experiment on leaf.	Self awareness
02	APR	02	NUTRITION IN ANIMALS	1.Understanding 2.Curiosity	Effect of saliva on starch with iodine solution.	Self awareness
03	JUN	03	FIBRE TO FABRIC	1.Problem solving 2.Critical thinking 3.Creativity	Feel the hair on your body and head to identify coarse and soft hair.	Teamwork
04	JUL	04	HEAT	1.Collaboration 2.Critical thinking 3.Environmental awareness	Measuring body temperature with help of clinical thermometer.	Environmental awareness
05	JUL	05	ACIDS ,BASES AND SALTS	1.Problem solving 2.Creativity	Testing different types of acids and bases with help of litmus paper.	Environmental awareness
06	AUG	06	PHYSICAL AND CHEMICAL CHANGES	1.Logical thinking 2.Problem solving	Burning of magnesium ribbon.	Patriotism and Nationalism
07	AUG	07	WEATHER , CLIMATE AND ADAPTATION OF ANIMALS TO THE CLIMATE	1. Curiosity 2.Creativity 3. Listening	Preparing weather data of the week.	Patriotism and Nationalism
08	AUG	09	SOIL	1. 1.Problem solving 2.Critical thinking 3.Creativity	Collect different types of soil and check their colour, texture etc.	Patriotism and Nationalism

			TERM-II			
09	SEP	10	RESPIRATION IN ORGANISMS	1.Problem solving 2.Critical thinking 3.Creativity	Prepare model to show mechanism of breathing.	Discipline and Diligence
10	OCT	11	TRANSPORTATION IN ANIMALS AND PLANTS	1. Creativity 2.Problem solving 3.Practical work 4.Observation	Observing pulse rate in the wrist.	Diversity and Togetherness
11	OCT	12	REPRODUCTION IN PLANTS	1. Curiosity 2.Creativity 3. Listening	Activity showing potato plant sprouting from an eye.	Diversity and Togetherness
12	NOV	12	REPRODUCTION IN PLANTS (CONT...)	1.Practical work 2.Creativity 3. Logical thinking	Seed germination.	Gender sensitivity
13	NOV	13	MOTION AND TIME	1. Curiosity 2.Creativity 3. Learning by doing	Making a simple pendulum.	Gender sensitivity
14	NOV	16	WATER	1. Curiosity 2.Creativity 3. Listening	Rainfall map of India.	Gender sensitivity
15	NOV	08	WINDS ,STORMS AND CYCLONES	1. Curiosity 2.Creativity 3. Logical thinking	Activity on air exerts pressure with a help of balloon.	Gender sensitivity
16	NOV	17	FORESTS : OUR LIFE LINE	1. Curiosity 2.Creativity 3. Activity based learning 4.Teamwork	Nature walk.	Gender sensitivity
17	DEC	14	ELECTRIC CURRENT AND ITS EFFECTS	1.Problem solving 2.Critical thinking 3.Creativity	Making a simple electric circuit.	Perseverance
18	JAN	15	LIGHT	1.Problem solving 2.Critical thinking 3.Creativity	Activity showing image of a candle in a plane mirror.	Effective communication
19	JAN	18	WASTE WATER STORY	1Critical thinking 2.Observation 3.Listening	Study the sewage system route in your home/locality.	Effective communication