

# SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

Type of Assessment: PERIODIC TEST -1(JULY-AUGUST) (1.08.18)

Class: VII

Subject: Science

Prescribed text books: NCERT

Lesson / topics covered	Teaching aids Used	Subject enrichment activity	Value(s) inherent in The chapters	Learning outcome
CH-1 Nutrition in plants	Smart board, Black board, text book , Reference books and charts	To show that light is essential for photosynthesis	importance of food available in nature , environment sensitivity	To show, how herbivores and carnivores are dependent on plants.
CH-3 -Fibre to fabric	Smart board, Black board, text book, internet and reference books. Fibres	To study the distinguishing characteristics of various plant,animal and synthetic fibres. To study the life cycle of silkworm.	Preserve environment, Sensitivity towards animals.	The learner would be able to apply knowledge to distinguish animal fibre from other fibres and learn their uses.
CH-2 Nutrition in animals	Smart board, Black board text book and reference books, charts	To study the effect of salivary amylase on starch.	Co-ordination among various parts of digestive system , awareness about balanced diet.	Students will learn about various parts of human digestive system and their functions. They will also learn about digestive system of amoeba and cow.
CH-5 Acids, bases and salts	Smart board, Black board, text book and Reference book. Natural and Synthetic Acid base indicators	To study the effect of acid and bases on various natural and synthetic indicators.	Correlating the nature of substance with its utility	The learner is able to interpret, the difference between acids, bases and salts used in day to day life and their effects.

# SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

Type of Assessment: HALF YEARLY (SEPTEMBER)(14.09.18)

Class: VII

Subject: Science

Prescribed text books: NCERT

Lesson / topics covered	Teaching aids Used	Subject enrichment activity	Value(s) inherent in The chapters	Learning outcome
CH-6 Ch-Physical and chemical changes	Smart board , Black board, text and Reference book.	To prepare crystals of copper sulphate. To study the nature of change when an iron nail is dipped in copper sulphate solution	Awareness about rusting phenomenon and its prevention. Environment friendly	Learner would be able to analyse and interpret the type of changes taking place.
CH-9 Ch –Soil	Smart board, Black board text book and reference book and chart	To find out utility of different kinds of soil for different kinds of vegetation.	Sensitivity to -wards nature	Causes and preventive methods of soil erosion, soil conservation.
CH-10 Ch- Respiration in organisms	Smart board, Black board text book, reference book and charts.	To study the effect of exhaled air on lime water.	Health consciousness, breathing activities through yoga.	Student will learn how respiration releases energy. They will learn about air pollution and causes of respiratory problems and their prevention.
CH-4 Chapter-Heat	Smart board, Black board text book and reference books. Flat bottom flask, potassium permanganate.	Lab Activity: To observe convection current in liquids And conduction in solids. To record the temperature of liquid(water) using laboratory thermometer.	Effect of abiotic stimuli on substances	Mechanism of heat transfer in liquids, land breeze and sea breeze.
CH-7 Ch- Weather climate and adaptations	Text books, Smart board, Internet information, charts.	List out animals showing adaptations as per following regions: Tropical rain forests, Polar region, Desert and Aquatic life.	Adaptation, appreciation	Students will learn the influence of climate on animal adaptations.

## SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

Type of Assessment: periodic test -2 (JANUARY-FEBRUARY)(24.01.19)

Class: VII

Subject: Science

Prescribed text books: NCERT

Lesson / topics covered	Teaching aids Used	Subject enrichment activity	Value(s) inherent in The chapters	Learning outcome
CH-8 Ch-wind, storms and cyclones	Smart board, Black board text book, reference book and chart	To make a working model of an anemometer and use it to compare wind speeds on different days.	Awareness	Strategies and preventive measures in case of emergency to be adopted.
CH-14 Ch-Electric current and its effects	Smart board, Black board reference book and lab activity	Group activity-To show that when electric current is passed through a wire, it behaves like a magnet. Making electromagnet.	Saving electricity, optimum utilization of sources	To explain the working of electro magnet, factors affecting its strength and applications of electro magnet. Students would also learn about safety device like MCB.
CH-16 Ch-Water	Smart board, Black board reference book, text book and prior knowledge students.	Collect information about rainwater harvesting-traditional and modern methods.	Environment sensitivity, conservation, value of natural resource.	Student will learn how important it is not to waste water resources to prevent water scarcity.
CH-17 Forest our lifeline	Smart board, Text book, reference book, blackboard and internet.	Research about the different layers of forests and the plants, animals found in them.	Appreciation, conserving nature, mutual cooperation	Students will learn key functions of forests. They will learn conserving and managing forests.
CH-11 Ch- Transportation in plants and animals.	Smart board, Black board, reference book, charts, internet	To study that in plants respiration and transpiration occur through stomata. To study that water is taken up from roots by xylem and transported to various parts of plant.	Systematic, planning, efficient working and co-ordination	Students will learn need for a system of transportation and excretion in plants and animals. They will also learn the role of dialysis in case of kidney failure.

Type of Assessment: Final exams (MARCH) (18.03.19)

Class: VII

Subject: Science

Prescribed text books: NCERT

## SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

Lesson / topics covered	Teaching aids Used	Subject enrichment activity	Value(s) inherent in The chapters	Learning outcome
CH-12 Ch-Reproduction in plants	Smart board, Charts, black board. Reference books.	Practical activity: dissection of flower	Appreciating beauty of nature and continuity of species.	To explain the terms binary fission, budding, pollination, unisexual and bisexual flowers.
CH-13 Ch-Motion and time.	Smart board, Black board text book, reference book, graphs showing uniform motion, non-uniform motion and object at rest.	To study the motion of simple pendulum and calculate its time period.	Time management, presence of mind.	To explain the need for measurement of time. To interpret speed of a moving body, distance it moves, the time taken to cover a given distance and analyse it graphically.
CH-15 Ch-Light	Smart board, Convex and concave lens, convex and concave mirror, prism	To show that light travels in a straight line. To show dispersion of sunlight into seven colours through a prism.	Appreciation of natural phenomena of light	Student will learn about spectrum of light. Image formation by convex and concave mirror and lenses.
CH-18 Ch-Waste water management.	Smart board, Information based on various steps involved in treatment of waste water	Flow chart for STP	Sensitivity towards sanitation. Appreciation of water treatment. Environment conservation	Students will learn the importance of clean water, hygiene and prevention of diseases. They will be able to explain the process used in STP.

DATE OF SYLLABUS COMPLETION :15/2/19

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