

NAVY CHILDREN SCHOOL, KOCHI
SYLLABUS-CLASS VI – SCIENCE – 2018-19

MONTH	CHAPTER NO.	CHAPTER NAME	ACTIVITIES
April- May	Chapter-1	Food: Where does it come from?	<ul style="list-style-type: none"> • Draw /stick pictures of edible stem,root, flowers, and seeds. • Home observation:- Observe a plant and identify the various parts. • Lab activity- Germination of seeds.
	Chapter-2	Components of food	<ul style="list-style-type: none"> • Class activity- Stick/Draw pictures of food containing proteins, fats, carbohydrates, vitamins and minerals. • Lab activity- Activity to test the presence of sugar, starch, proteins and fats. • Group discussion- Deficiency diseases using pictures, posters and charts.
June-July	Chapter-3	Fibre to fabric	<ul style="list-style-type: none"> • Class activity- Collect different types of samples of fabrics and paste them in your notebook. • Lab activity- Burn test of various plant and animal fabrics. Bead test to show the difference in the nature of natural and synthetic fibres. • E-learning- Modules showing various stages of silkmoth, process of knitting, weaving etc. • Field trip- Visit a loom/sericulture farm near your home.
	Chapter 4	Sorting Materials into Groups	<ul style="list-style-type: none"> • Class Activities-Sorting objects based on their properties • Lab. Activities to show various methods of separation such as sieving, sedimentation and decantation, filtration, evaporation, condensation.
	Chapter 5	Separation of substances	<ul style="list-style-type: none"> • Home Activities – Observation of various methods of separation done at home such as handpicking, sieving, winnowing, sedimentation, decantation etc. • Lab Activities- Filtration, sedimentation, Preparation of saturated solution.

August	Chapter 6	Changes around us	<ul style="list-style-type: none"> List out some reversible and Irreversible changes occurring in our daily life. Field trip- Visit a ironsmith/goldsmith in your city .Observe and find out the changes that takes place to get the final product.
	Chapter 7	Getting to know plants	<ul style="list-style-type: none"> Nature walk- Based on the characteristics of plants,identify and classify them in to Herbs,Shrubs and Trees. Lab Activity- <ol style="list-style-type: none"> 1) Observe the leaf venation (Reticulate and parallel) and Root Systems (Tap root and fibrous roots) 2) Transpiration in plants 3) Dissection of a Flower to show its parts.
	Chapter 8	Body Movements	<ul style="list-style-type: none"> Observe the movements of the following animals: Cockroach, Earthworm,Fish. Write one of their features of their moving patterns. Lab Activity- Observation of Human sleleton and identify the different kinds of joints in our body.
September	Chapter 9	The living organisms and their surroundings	<ul style="list-style-type: none"> Group Discussion- Discuss in the class: Different types of Adaptations in different animalsin their habitats. Home Assignment- Plan a visit to a nearby zoo and observe animals of different habitats kept there and record your observation in your notebook.
October	Chapter 10	Motion and measurement of distances	<ul style="list-style-type: none"> Measure the height of your classmates with the help of a long scale or a tailors tape .Find out the tallest and the shortest student in your class and record your observation.

	Chapter 11	Light, shadows and Reflection	<ul style="list-style-type: none"> • Home Assignment-Classify the objects/materials of your home as Transparent, translucent and opaque. • Lab Activity-Activity to show that light travels in a straight line.
November	Chapter 12	Electricity and circuits	<ul style="list-style-type: none"> • Lab Activity-Make an electric circuit • Field visit-Visit a power station near your home and find out how electricity is generated and reaches your home. Collect information and record it in your notebook.
	Chapter 13	Fun with Magnets	<ul style="list-style-type: none"> • Class/Lab Activity- Properties of Magnets • Home Activity-Make a list of things at your home in which magnets are used.
December	Chapter 14	Water	<ul style="list-style-type: none"> • Class Activity- <ul style="list-style-type: none"> 1)Diagrammatic representation of the Water Cycle. 2)Make Poster to show various ways by which you can conserve water. • Field visit- Visit a water treatment plant in your city. Write a note based on your observations.
January	Chapter 15	Air around us	<ul style="list-style-type: none"> • Lab Activity/Class activity- <ul style="list-style-type: none"> 1)To show that air occupies space. 2)Oxygen is required for burning.
	Chapter 16	Garbage in Garbage out	<ul style="list-style-type: none"> • Class Activity-Make simple and useful items from waste materials– Best out of waste
February		Garbage in Garbage out (continued)	<ul style="list-style-type: none"> • Revision and class tests
March			<ul style="list-style-type: none"> • Annual Examination