

MITCON International School

Syllabus (2019-2020)

Grade :VI

Subject: Science

MONTH	STRANDS	TOPICS	SUB-TOPICS
April	Food and Nutrition	Sources of Food	<ul style="list-style-type: none"> • Food from Plant Parts • Food from Animals • Food Habits of Animals • The Need to Produce more Food
April		Components of Food	<ul style="list-style-type: none"> • Role of Nutrients • Testing For Nutrients • Deficiency Diseases • Significance of Balanced Diet
April	Matter Around Us	Variety Of Fibres	<ul style="list-style-type: none"> • Sources of Fibres • Properties of Fibres • Obtaining Plant Fibres • Kinds Of Plant Fibres
June		Making Fabrics	<ul style="list-style-type: none"> • The History of Clothing Material • Fibre to Yarn • Yarn to Fabric • The journey of Cotton Fabric • More on Making Fabric
June		Grouping Objects	<ul style="list-style-type: none"> • Materials and Objects • Properties and Grouping • More ways of Grouping • Importance of Grouping
June		Separating Solid mixtures	<ul style="list-style-type: none"> • Mixtures • Separating Solid Mixtures: Traditional Methods • Separating Solid Mixtures: More Methods • Using a combination of Methods
June		Separating Solid-Liquid mixtures	<ul style="list-style-type: none"> • Heavy Insoluble solid in Liquid • Light Insoluble solid in Liquid • Soluble solid in Liquid • Choosing the Best Method • More on Solid-Liquid Mixtures

July		Solutions	<ul style="list-style-type: none"> • Types of Solutions • Saturated and Unsaturated Solutions • Solubility • Factors Effecting Solubility • Solubility and Solutions
July		Changes Around Us	<ul style="list-style-type: none"> • Classifying Changes • Reversible and Irreversible Changes • Exothermic and Endothermic Changes • Expansion and Contraction • More on Types of Changes
July	Living World	Structure and Functions of Roots and Stems	<ul style="list-style-type: none"> • Types of Plants • Stems: Structure and Function • Roots: Types and Functions • Stems of Trees • More on Roots and Stems
July	Living World	Structure and Functions of Leaves	<ul style="list-style-type: none"> • Parts of a Leaf • Photosynthesis • Transpiration • Factors Affecting Transpiration
August	Living World	Structure and Functions of Flower	<ul style="list-style-type: none"> • The Outer Parts Of a Flower • The Inner Parts of A Flower • The structure Of a Ovary • The Formation Of Seeds
August	Living World	Movement in Animals	<ul style="list-style-type: none"> • Animal Movement • Locomotion in Vertebrates • Locomotion In Invertebrates • The Significance of Adaptation
August	Motion and Measurement	Measuring Length	<ul style="list-style-type: none"> • Non-Standard and Standard Tools • SI Unit of Length • Measuring Linear and Curved Lines • Estimation and Accuracy
August		Motion	<ul style="list-style-type: none"> • Motion and Rest • Translatory Motion • Oscillatory and Periodic Motion • Rotational and Circular motion
October	Living World	Movement in the Human Body	<ul style="list-style-type: none"> • Types of Joints • Comparing Joints • Types of Bones • Human Skeleton

			<ul style="list-style-type: none"> • Significance Of Muscles
October	Living World	Characteristics of Living Things	<ul style="list-style-type: none"> • Living and Non-Living Things • Comparing Plants and Animals • Response To Stimuli • Dormancy in Living Things
October	Our Environment	Habitat	<ul style="list-style-type: none"> • Flora and Fauna • Terrestrial and Aquatic Animals • Biotic and Abiotic Components • Biotic and Abiotic Components : Interdependence
November		Adaptation	<ul style="list-style-type: none"> • Adaptation in Living Organisms • Adaptation in Terrestrial Habitats • Adaptation in Aquatic Habitats • Adaptation in Humans
November	Light, Heat and Sound	Light and Shadow	<ul style="list-style-type: none"> • Transparent, Translucent and Opaque • Formation of Shadows • Characteristics of a Shadow • Eclipses as Shadows
November		Light and Images	<ul style="list-style-type: none"> • Light Travels in straight Lines • Pinhole Camera • Reflection of Light • Image Formation • More on Light
November	Electricity and Magnetism	Electric Circuits	<ul style="list-style-type: none"> • Electric Cell • Making an Electric Circuit • Electric Switch • Significance of Closed Circuits • More on Electric Circuits
December		Conductors and Insulators	<ul style="list-style-type: none"> • Conductors and Insulators of Electricity • Conductors and Insulators: Application • Electric Bulb • Safety Precautions • More on Conductors and Insulators
December		Properties of Magnets	<ul style="list-style-type: none"> • Magnetic and Non-magnetic Materials • Poles of Magnet • Finding Directions using Magnets • Attraction and Repulsion in Magnets

			<ul style="list-style-type: none"> • More on Properties Of Magnets
December		Making Magnets	<ul style="list-style-type: none"> • Natural and Artificial Magnets • How to make an Magnet? • Making an Electromagnet • Handling and Storing Magnets
January	Air and Water	Water and Us	<ul style="list-style-type: none"> • Hard and Soft Water • Importance of water • Life Without water • Water for Everyone • Need for Water
January		Replenishing Water	<ul style="list-style-type: none"> • Water Cycle • Transpiration and Rain • Clouds and Rain • Water for Everyone • Need for Water
January		Composition of Air	<ul style="list-style-type: none"> • Components of Air • Importance of Soil Air • Plants Produce Oxygen • Uses of Components of Air
January	Our Environment	Garbage We Produce	<ul style="list-style-type: none"> • Disposal Of Garbage • Journey of Garbage • Segregation Of Garbage • Garbage and the Environment • More on Garbage
January		Managing Garbage	<ul style="list-style-type: none"> • Incineration • Vermicomposting • Recycling Paper • Minimising Garbage • More on managing Garbage