



MITCON International School

Syllabus (2019-2020)

Grade: V

Subject: Science

| MONTH | TOPICS | SUB-TOPICS |
|--------|---------------------------|--|
| April | Germination Of Seeds | <ul style="list-style-type: none"> • Parts Of Seed • Germination Of Seed • Time For Germination • Stages Of Germination |
| June | Growing New Plants | <ul style="list-style-type: none"> • Growing New Plants Without Seeds • Vegetative Propagation • Seed Dispersal • Agent For Seed Dispersal |
| | Cultivating Crops | <ul style="list-style-type: none"> • Stages Of Cultivation • Types Of Crops • Types Of Fertilizers • Better Ways To Grow Crops |
| July | Super Senses | <ul style="list-style-type: none"> • Super Sense-Sight • Super Sense-Smell • Super Sense-Hearing • Super Sense-Touch And Taste |
| | Habitat and adaptation | <ul style="list-style-type: none"> • Animal Habitat • Body Covering • Organs For Breathing • Organs For Movement |
| | Protecting animal habitat | <ul style="list-style-type: none"> • Need Place To Live • Natural Threats • Impact Of Losing Habitat • Protecting Habitat |
| August | Joints in our body | <ul style="list-style-type: none"> • Joints • Type Of Joints • Type Of Movable Joints • Taking Care Of Joints |
| | Our nervous system | <ul style="list-style-type: none"> • Human Brain • Nerves • Nervous System • Reflex Action |

| | | |
|----------|------------------------------|--|
| | Communicable Diseases | <ul style="list-style-type: none"> • Germs cause diseases • Communicable diseases • How diseases spread • Preventing communicable diseases |
| October | Diet and Health | <ul style="list-style-type: none"> • Malnutrition and Obesity • Deficiency Diseases • Diet and Chart • Regional Food |
| | Preserving Food | <ul style="list-style-type: none"> • Is Spoiled food Harmful? • Why Does Food Get Spoiled? • How can we preserve food? • Preservation Techniques |
| | Properties of Water | <ul style="list-style-type: none"> • Water Exerts Force Dirty Yamuna • Buoyant Force Purifying Water • Water Exerts Pressure • A Universal Solvent |
| | Rivers-Major Source of Water | <ul style="list-style-type: none"> • Rivers and Early Settlement • Purification of River Water • Irrigation by Rivers • Dams |
| November | Water- A Natural Resource | <ul style="list-style-type: none"> • Water- Uses and Sources Usage at Home • Purification of River Water • Rainwater Harvesting <ul style="list-style-type: none"> • Preventing Water Pollution • Case study of a lake |
| | Properties of Air | <ul style="list-style-type: none"> • Air has Weight • Air occupies Space • Air Exerts Pressure • Air Pressure in Use |
| | Our Atmosphere | <ul style="list-style-type: none"> • Layers of the Atmosphere • Layers of Soil <ul style="list-style-type: none"> • Atmosphere and Temperature Formation of Soil • Ozone-Earth's Sunscreen • The Ozone Hole |
| December | Motion, Force and Work | <ul style="list-style-type: none"> • In Motion or Stationary <ul style="list-style-type: none"> • Push or Pull • Changing Shapes • Work |
| | Friction | <ul style="list-style-type: none"> • A Contact Force • Rough And Smooth • Ways To Reduce Friction • Friction –Good Or Bad? |

| | | |
|----------|---------------------------|---|
| | Simple Machines | <ul style="list-style-type: none"> • Inclined Plane • Effort, Load And Fulcrum • Simple Machines • Complex Machines |
| January | Saving Energy | <ul style="list-style-type: none"> • How to make Electricity? • Energy from Sun and Biomass • Renewable Vs Nonrenewable • Conserving Energy |
| | Matter and Its Properties | <ul style="list-style-type: none"> • Mass and Space • Matter has Particles • How are Particles Arranged? • Why Different Properties? |
| | Physical Changes | <ul style="list-style-type: none"> • Physical Changes • Change in State –Heating • Change in State –Cooling • Expand or Contract |
| February | Rocks and Minerals | <ul style="list-style-type: none"> • Properties of Rock • Types of Rocks • Rock Cycle • Uses of Rocks and Minerals |
| | Space Research | <ul style="list-style-type: none"> • Features of the Moon • First expedition to moon • Artificial Satellites • Space Travel |
| 3 | Natures Calamities | <ul style="list-style-type: none"> • Natural Disasters • Volcano • Cyclone • Predicting and Preparing |