

**Dr. M. K. K. Arya Model School, Model Town, Panipat**  
**Syllabus for the Session 2018-19**  
**Subject-Science**  
**Class-VI**

**Book Prescribed: Science (NCERT)**

**Chapters for Mid-Term Examination**

Ch-1: Food: Where Does It Come From ?

Ch-2: Components of Food

Ch-3: Fibre to Fabric

Ch-4: Sorting Materials into Groups

Ch-5: Separation of Substances

Ch-6: Changes Around Us

Ch-7: Getting to Know About Plants

Ch-8: Body Movements

**Syllabus to be covered in April (2018)**

Ch-1: Food: Where Does It Come From ?

**First Week: (April 2 - April 7)**

**Topics:**

- Food Variety
- Food Materials and Sources
- Plant Parts and Animal Products as Food

**Second Week : (April 9 - April 14)**

**Topics:**

- Classification of Animals on the basis of Food habit.
- Ways To Conserve Food.

**Third Week: (April 16 - April 21)**

Ch-2: Components of Food

**Topics:** Components Of Food ( Nutrients)

- Carbohydrates
- Proteins
- Fats
- Vitamins & Minerals
- Role of Nutrients and Water

**Fourth Week: (April 23 - April 28)**

**Topics:**

- Balanced diet
- Deficiency Diseases

**Syllabus to be covered in May 2018**

Ch-3: Fibre to Fabric

**First Week: ( April 30- May 5)**

**Topics:**

- Variety in Fabrics
- Types of Fibres
- Spinning , Ginning

- Weaving and Knitting
- History of Clothing Materials

**Second Week: (May 7 – May 12)**

Revision for First Periodic Written Test.

**First Periodic Written Test ( May 18 . 2018 )**

**Third Week: (May 14 – May 19)**

**Ch-4: Sorting Materials into Groups**

**Topics:**

- Objects Around Us
- Properties of Materials (Appearances, Hardness , Soluble or Insoluble, Floating or Sinking of objects in water)

**Fourth Week: (May 21 – May 26)**

- Classification of Materials on the basis of Transparency.  
( Transparent , Translucent and Opaque )

**Fifth Week : (May 28 – May 31)**

Revision\_of Chapter – 3 and 4.

**Syllabus to be covered in July 2018**

**Ch-5: Separation of Substances**

**First Week: (July 2 – July 7)**

**Topics :**

- Need of Separation of Substances
- Methods of Separation
- Handpicking, Threshing
- Winnowing , Sieving

**Second Week: (July 9 – July14)**

- Sedimentation, Decantation and Filtration
- \_Evaporation, Condensation
- Saturated Solution

**Third Week: (July 16 – July 21)**

**Ch-6: Changes Around Us**

**Topics :**

- Various types of Changes
- Reversible and Irreversible Changes
- Expansion
- Contraction

#### Fourth Week: (July 23 – July28)

#### Ch-7 : Getting to Know Plants

##### Topics :

- Herbs, Shrubs and Trees
- Creepers and Climbers
- Functions of a stem in a plant.

#### Syllabus to be covered in August 2018

##### First Week : (July 30 – Aug. 4)

- \_Structure and functions of leaves.
- Types and functions of roots.
- Structure and functions of parts of a flower.

##### Second Week: (Aug. 6- Aug. 11)

#### Ch-8: Body Movements

##### Topics:

- Human body and its Movement
- Types of joints : Ball and socket joint , Pivotal joint, Hinge joint, Fixed joints.
- Skeleton- Skull, ribcage, backbone.
- Pelvic bones, Shoulder bones
- Cartilage

##### Third Week: (Aug. 13- Aug. 18)

#### Ch-8: Body Movement

##### Topics: Gait of animals

- Earthworms
- Snail
- Cockroach
- Birds
- Fish
- Snakes

#### Fourth and Fifth Week: (Aug. 20- Aug. 31) - Revision for Mid - Term Examination

#### List of Practicals for - Mid - Term Examination.

##### Practicals :

April : Exp-1: To test for the presence of starch in given food stuff.

Exp-2: To test for the presence of protein in the given food stuff.

Exp-3: To test for the presence of fats in a given food stuff.

May : Exp-4: To study the solubility of different substances in water.

Exp 5 : To separate chalk powder dissolve in water by using filtration technique.

July : Exp-6: To study the process of sedimentation and decantation.

Exp-7: To study Reversible changes .

Exp-8: To study Irreversible changes.

**August** : Exp-9: To study parts of a flower.  
Exp-10: To study parts of a leaf.

## **September 2018 - Mid - Term Examination**

### **Chapters for Final Examination**

Ch-9 : The living Organisms and Their Surroundings

Ch-10: Motion and Measurement of Distances

Ch-11: Light, Shadows and Reflections

Ch-12: Electricity and Circuits

Ch-13: Fun with Magnets

Ch-14: Water

Ch-15: Air Around Us

Ch-16: Garbage In, Garbage Out

### **Syllabus to be covered in October 2018**

**First Week:** (Oct. 1-Oct. 6 )

**Ch-9 : The living Organisms and Their Surroundings**

**Topics :**

- Habitat and Adaptation
- Terrestrial Habitats: Desert, Mountain regions, Grasslands.
- Aquatic Habitats: Oceans, Ponds, Lakes
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**Second Week:** (Oct. 8-Oct. 13 )

**Ch-9 : The living organisms and their surroundings**

**Topics :**

- Characteristics of the living beings.
- Respiration
- Excretion
- Respond To Stimuli

**Third Week:** (Oct. 15-Oct. 20)

**Ch-10: Motion and Measurement of Distances**

**Topics :**

- Story of Transport
- .Correct Measurement of length.
- Measurement of a Curved line .
- Types of Motion- Rectilinear Motion, Circular Motion,
- Periodic and Non- Periodic Motion

**Fourth Week:** (Oct. 22-Oct. 27 )

**Ch- 11: Light, Shadows and Reflections**

**Topics :**

- Luminous and Non-Luminous Objects.
- Transparent, Translucent and Opaque Objects
- Formation and Properties of Shadow.

## **Syllabus to be covered in November 2018**

**First Week:** (Oct. 29 – Nov. 3 )

- Formation of a Pin Hole Camera
- Rectilinear Propagation of Light,
- Mirror and Reflection.

**Second Week:** (Nov. 5 – Nov. 10 )

**Ch-12: Electricity and Circuits**

**Topics :**

- An Electric Cell
- An Electric Bulb

**Third Week:** (Nov. 12 – Nov. 17)

- An Electric Switch
- An Electric Circuit
- Conductors and Insulators
- Inside View of an Electric Torch
- Precautions while using electricity.

**Fourth Week:** (Nov. 19 – Nov. 24)

**Ch – 13 : Fun With Magnets.**

- How Magnets were Discovered?
- Magnetic and Non – Magnetic Materials.
- Poles of Magnets.
- Magnetic Compass

**Fifth Week :** (Nov. 26– Dec. 1)

- Properties of Magnets.
- Precautions and uses of Magnets.

**Ch-14: Water**

**Topics :**

- Uses of Water
- Sources of Water
- Availability of Water

**Fifth Week :** (Nov. 26– Dec. 1)

## **Syllabus to be covered in December 2018**

**First Week:** (Dec. 3 – Dec. 8)

- Water cycle
- Formation of Clouds
- Conservation of Water
- Rain water harvesting

**Second Week :** (Dec. 10 – Dec. 15)

**Revision for Second Periodic Test**

**Third Week: : (Dec. 17– Dec. 22)**

**Ch-15: Air Around Us**

**Topics:**

- Composition of Air
- Availability of Oxygen to Animals and Plants live in water and soil.

**Fourth Week: : (Dec. 24– Dec. 29)**

- Presence of Air - Everywhere
- Replacement of Oxygen in atmosphere.

**Second Periodic Written Test (December 17 , 2018 )**

**Syllabus to be covered in January. 2019**

**Ch-16: Garbage In, Garbage out**

**Topics: Third Week: : (Jan. 14– Jan. 19)**

- Dealing with garbage (landfill)
- Segregation of Wastes out (Bio-degradable and Non Bio-degradable wastes.)
- Management of Bio-degradable Wastes.

**Third Week: : (Jan. 21– Jan. 27)**

- Composting and Vermicomposting,
- Recycling of paper
- Plastic : Boon or Curse?

**January and February - Revision For Final Examination**

**List of Practicals for Final Examination**

**October** : Exp 1: To measure the length of a curved line using a thread.

Exp 2: To show that light travel in straight line.

**November** : Exp 3: To study the behavior of poles of a permanent magnet.

Exp. 4: To show that magnetic force is maximum at the ends of magnets.

Exp. 5: Classify the objects as magnetic and non – magnetic substances.

**December** : Exp 6: To show that air (oxygen) is necessary for burning.

Exp. 7 : To find out whether a material is a conductor or an insulator.

**February - 2019 - Final Examination ( 25 . 02. 19)**

