

DAV INSTITUTIONS, MP ZONE-D
SPLIT UP SYLLABUS
(2024-25)

CLASS - III

SUBJECT - SCIENCE

I. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	April	Chapter-1 My body	1. Collect different food items and identify taste. 2. Collected different things around us blindfold on student Intel them to feel about texture. 3. Paste to the picture of sense organs. 4. Produce different sounds using technology and tell students to identify animal or bird.
2	June	Chapter -2 Plants around us	1. Collect and paste pictures of trees shrubs herbs climbers creepers. 2 Observe different type of plants growing around you and classify them into different categories. 3 Identification of plant parts by making chits. 4. Make fruits and vegetables with help of clay.
3	July	Chapter-3 Importance of plants	1. Make a collage of different things we get from plants. 2. Make paper bags with old newspaper or any other waste paper and decorate them.
		Chapter-4 Leaf	1. Collect and paste leaves of different shape and size. 2. Leaf art activity. 3. Leaf printing activity Periodic Test – I(Chapter- 1 & 2)
4	August	Chapter-5 Animals	1 make a mini zoo use a cotton cotton reels colours chart paper glue etc. 2. May company aquarium using thermocol or cardboard thread and pictures of aquatic animals. 3. Make a table and write the name of domestic animals pet animals and wild animals.
5	September	Revision (Chapter- 1,2,3,4 & 5 {Term-I Syllabus})	TERM I EXAMINATION
6	October	Chapter-6 Feeding habits of animals	1. Make a chart of showing different animals on the basis of eating habit. 2. Paste pictures of blood sucking animals. 3. Paste the pictures of houses of different animals.

		Chapter-7 Birds and their nest	<ol style="list-style-type: none"> 1. Make a list of birds you see in your surroundings. 2. Collect picture of different types of nest and paste them in your copy. 3. Try to make a nest using grass thread leaves or any other material. 4. Collect some feathers which you may find lying on the ground observe their shape size and colour share and discuss your observations with your friends and teachers. 5. Collect information about different migratory birds visiting India at a different places and find out when they arrive here and when they go back.
7	November	Chapter-8 Food	<ol style="list-style-type: none"> 1. make a flower using different colour pulses. 2. Collect picture of food items we get from plants and animals and paste them.
			Periodic Test – II (Chapter 6 & 7)
8	December	Chapter-9 Cooking and eating habit	<ol style="list-style-type: none"> 1. Write the name and draw the utensils you see in kitchen. 2. Write different methods of cooking your mother use. 3. Share a recipe of any of your favourite dish in class with your friends and identify the various methods of cooking.
9	January	Chapter-10 Water	<ol style="list-style-type: none"> 1. Paste pictures of five dams of India. 2. Draw a picture of rainy day and colour it. 3. Find out the names of four dams in India, 6 cities in India that are located near rivers and the five oceans of the world. 4. Make a model of well.
10	February	Revision (Chapter- 6,7,8,9 & 10 {Term II syllabus})	TERM II EXAMINATION

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CLASS - IV **SUBJECT - SCIENCE**

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	APRIL	CHAPTER -1 My Body	1.Draw human digestive system 2.Denture making 3. Role play: Digestive system
2	JUNE	CHAPTER -2 Plants	1.Field trip to see Tap root and Fibrous roots 2Collect cut and paste pictures of plants having 1)Tap root 2) Fibrous roots <hr/> PERIODIC TEST -1
3	JULY	CHAPTER- 3 Flowers and fruits CHAPTER - 4 Plants around us	1.collect cut and paste pictures of seasonal flowers and fruits and write their names 2. Collect pictures of different Plants of different habitats and paste and mention their names
4	AUGUST	CHAPTER - 5 Birds beaks and claws	1.prepare chart of birds having different types of beaks.
5	SEPTEMBER	Revision for half yearly exam	HALF YEARLY EXAM
6	OCTOBER	CHAPTER -6 Insects	1.chart making: Harmful insects and Useful Insects 2. Role play (Insects)

7	NOVEMBER	CHAPTER -7 FOOD	<p>1. Collect and paste pictures of different food items having different types of nutrients</p> <p>2. Making Eatwell Plate</p> <p>3. Activity: Name the nutrients present in your lunch box</p> <p>4. Chart : Nutrients: Function: Sources</p> <hr/> <p>PERIODIC TEST -2</p>
8	DECEMBER	CHAPTER -8 Water scarcity and conservation of water CHAPTER -9 Safe handling and storage of water	<p>1. Poster making and slogan writing : Save water</p> <p>2. Drawing: Rain water Harvesting</p> <p>3. Working Model of a) Rain water Harvesting b) Traditional Filter</p>
9	JANUARY	CHAPTER -10 Water Pollution	Poster making: Water Pollution: causes and Prevention
10.	FEBRUARY	Revision for Annual exam	ANNUAL EXAM

DAV PUBLIC SCHOOLS MP ZONE – D
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CLASS – V

SUBJECT: SCIENCE

TERM 1 (APRIL TO SEPTEMBER)

TH	CHAPTER	SUGGESTED ACTIVITIES
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	1. MY BODY 2. PLANTS	<ul style="list-style-type: none"> • Live demonstration of Bone joint functions by the Physical exercise. • Body Map • Clay modelling (Body Parts/Sense Organs) • Field Trip/ Germination of Gram Seeds. • Sapling Of Plant • Making a Greeting Card with Dried Leaves and Flowers.
	3. Forests	<ul style="list-style-type: none"> • Poster Making On 'Save Forest'. • Slogan Writing On 'Save Trees'. • Riddle Making on Forest Products.
JULY	4. Animas- Our Friends 5. Food and Health	<ul style="list-style-type: none"> • Animal Face Mask Making. • Animal Role Play. • Food Chain (Cut and Paste) • Crossword Puzzle with Clues. • Speech on Healthy Food Vs Junk Food. • Food Pyramid (Scrap Book). • Skit on Healthy Life Style.
AUGUST	6. Spoilage and Wastage of Food and Food Preservation	<ul style="list-style-type: none"> • Growth of Bread Mould on Stale Bread. • Collect Some Sample of Food Preservatives from Your Kitchen. • Cut and Paste the Wrappers of Five Food Items and Write about Manufacture and Expiry Date.
SEPTEMBER	Revision (CHAPTER 1 to 6) and TERM 1 Exam	

TERM 2 (OCTOBER TO MARCH)

MONTH	CHAPTER	SUGGESTED ACTIVITIES
OCTOBER	7. Importance of Water 8. Properties of Water	<ul style="list-style-type: none"> • Make a Model of Water Wheel. • Make a Collage of Aquatic Plants and Aquatic Animals. • Poster Making on 'Save Water'. • Live Demonstration of Lava Lamp. • Activities to Show Properties of Water Like Floating, Sinking, Solubility.
NOVEMBER	9. Fuels	<ul style="list-style-type: none"> • Poster Making on 'Save Energy'. • Speech on 'Importance of Green Fuel'.

MBER	10. Air 11. Our Solar System	<ul style="list-style-type: none"> • Model Making (Wind Mill) • Candle Activity (Burning Require oxygen). • Plants Need Air To Grow (Activity From Book). • Model of Solar System. • Role Play (Planets). • Riddles on Planets.
ARY	12. Observing the Sky	<ul style="list-style-type: none"> • Phases of Moon Model By using Oreo Biscuits. • Cut and Paste Activity (constellation). • Crossword Puzzle.
JARY	Revision (CHAPTER 7 to 12) and TERM 2 Exam	

Teacher's Name:

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CLASS - VI **SUBJECT - SCIENCE**

No.	Month	Name of Units/ Chapters	Assessment/Activities
1	April	Chapter-1 Our Environment (For Internal Assessment only)	1. Categories animals on the basis of types of food they eat. Identify biodegradable and non-biodegradable materials by burying different things in the soil. 2. Make a poster on- 'Harvest Water to Harness Life'. 3. Make a model of 'Rain Water Harvesting'. 4. Application of twin bin system. 5. Make a list of waste materials you will put in green and blue bins.
		Chapter-2 Food	1. List down the food items consumed by you and state their source. 2. Test for Sugar, Starch, Protein and Fat in different food items. 3. Dressing of salad. 4. Make a chart on different components of food-sources, functions and related deficiency diseases. 5. Role play on nutrients.
2	June	Chapter-3 Nature of Matter	1. Make a model to show the arrangements of particles in the three states of matter. 2. Identify and collect natural and synthetic materials. Collect transparent, translucent and opaque materials.

3	<p>July</p>	<p>Chapter-4 Separation of Substances</p> <p>Chapter-5 Changes Around Us</p>	<ol style="list-style-type: none"> 1. Activity to separate the components from the given mixture. 2. Survey by the students in the house and surroundings to make a list of different methods of separation used in different cases. <ol style="list-style-type: none"> 1. Prepare a list of all the changes you observe in your surroundings and classify them as Slow/Fast, Reversible /Irreversible, Physical/Chemical changes <p>Periodic Test-I (Chapter 2 &3)</p>
4	<p>August</p>	<p>Chapter-7 The World of Living</p> <p>Chapter-10 Work and Energy</p>	<ol style="list-style-type: none"> 1. Enlist different things/objects around us and classify them as 'living' and 'non- living.' 2. Field visit to observe different types of plants and do their classification. 3. Solving riddles. 4. Foldable card making showing characteristic features of living things. <ol style="list-style-type: none"> 1. Group activity on 'Law of conservation of energy'. 2. Identify various items / appliances which utilize various forms of energy.
5	<p>September</p>	<p>Revision (Chapter – 2,3,4,5,7 & 10{Term 1 Syllabus})</p>	<p>TERM 1 Examination Note-Chapter 6 (Our Environment) is for internal Assessment</p>
6	<p>October</p>	<p>Chapter-6 Measurement and Motion (For Internal Assessment only)</p> <p>Chapter-8 Structure and Function of the Living Organisms - Plants</p>	<ol style="list-style-type: none"> 1. Measurement of different physical quantities using different instruments. 2. Collect pictures of different types of motion and make a collage titled 'A MOMENT OF MOVEMENT'. <ol style="list-style-type: none"> 1. Collect and paste different types of roots, leaves and parts of flowers in scrapbook. 2. Experiment to show that water is transported by the root, through the stem, to all parts of the plant.
7	<p>November</p>	<p>Chapter-9 Structure and Function of the Living Organisms – Animals</p>	<ol style="list-style-type: none"> 1. Make models of different human organ systems. 2. Make a model of stethoscope using a rubber tube and a funnel. 3. Compare heart beat and pulse rate of different age group doing different activities. <p>Periodic Test-II (Chapter 8 & 9)</p>
8	<p>December</p>	<p>Chapter-11 Electric Currents and Circuits</p> <p>Chapter-12 Light and Shadows</p>	<ol style="list-style-type: none"> 1. Make a working model of simple electric circuit and a fruit cell. 2. Collect the pictures of different electrical appliances/ gadgets and paste in scrapbook. 3. Classify different materials based on their electrical conductivity. 4. Make a holder, for a battery of two cells, using a board and metallic strips. <ol style="list-style-type: none"> 1. Making a pinhole camera. 2. Shadow puppetry. 3. Take a source of light, an opaque object and

			screen. Observe the size of the shadow changing the position of the object.
9	January	Chapter-13 Magnets Chapter-14 Fabric from Fibre	1. Make a simple compass by using a bowl of water, a magnetic needle and a plastic lid. 2. Collect different types of magnets & observe their shapes. 1. Collect and paste different types of fibres. 2. Make a list of clothes you have and classify them into: (a) Clothes made from natural and synthetic fibres. (b) Clothes from fibres obtained from plants and animals.
0	February	Revision (Chapter- 7, 8,9, 10,11,12,13 & 14{Term 2 syllabus})	TERM 2 EXAMINATION Note-Chapter 6 (Measurement and motion) is for internal Assessment

NOTE: The following chapters from TERM 1 (20%) will be included in TERM 2 exam:

Chapter-7: The World of Living

Chapter-10: Work & Energy

DAV PUBLIC SCHOOLS MPZONE–D SPLIT

UP SYLLABUS

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CLASS–VII

SUBJECT:SCIENCE

TERM1(APRILTOSEPTEMBER)

MONTH	CHAPTER	SUGGESTEDACTIVITIES	ASSESSMENT
APRIL	CH.1-Nutritionin living organisms (plants) Ch.2-Nutritionin Living organisms (Animals)	1. Apply thin coat of Vaseline on both sides of a leaf of a potted plant and observe it for few days. 2. Keep moist piece of bread in a warm place for 3-4days.Observetheorganismgrowingonitandidentify its mode of nutrition. 1. Chewapieceofbread/chapattifor3-4minutesand note the change in taste. • Starch test in boiled rice before and after adding saliva. • Make a flowchart showing the journey of chapatti or asandwichthroughvariouspartsof alimentary canal. • Makeamodelofdigestive system. • Roleplay–students can enacttheroleofaparticular organ of the digestive system.	
JUNE	Ch.3- Chemical substances and processes.	• Listanyfivephysicalandchemical changesthat yousee around you. • Prepareacharttoshowdifferenttypes of chemicalreactionwithexamples.	
JULY	Ch.5-Heat Ch.6-Motionand time.	1. Measurehumanbodytemperatureusing clinical thermometer. 6. Heatingmetalrodcoatedwithwaxtoshow conduction of heat. 7. Heat water with few crystals of $KMnO_4$ in a round bottomflasktoshowtransferofheatbymovementof water molecules.(convection) 1.Labactivity- Measurethetimeperiodofasimple pendulum. 1. Calculate the speed of various objects like toy car, pencil,plasticball,tennisballwhichcanbe rolldownthe inclined plane.	PT 1(Ch-1 and2)
AUGUST	Ch7.Respiration in organisms. CH.8- Transportationin Plants and animals.	1. Makethelistofrespiratoryorgan of different organisms. 2. Prepareamodelorachartofhuman respiratory system. 3. Performanexperimenttoshowexhaledaircontains CO_2 . 1. Performanactivitytoshowthepathformovement of water through the stem. 2. Prepareachart/modelofhumanheartand human excretory system.	PT.2 (Ch-3 and5)

SEPTEMBER	REVISION	REVISION OF CHAPTER-1, 2, 3, 5, 6, 7 and 8	TERM 1
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TERM-2(OCTOBER TO MARCH)

MONTH	CHAPTER	SUGGESTED ACTIVITIES	TESTS
OCTOBER	Ch.4 Acid base and salt Ch.-9- Reproduction in plants.	1. Lab activity- perform litmus paper test for the substances like lemon juice , salt solution , dil.HCl to identify the given substance as acid or base. 2. demonstration–neutralization reaction (HCl and NaOH) • Find out the main crops grown in any three states of India and the type of soil they are grown in. Make a ppt on your report. Collect soil from different localities of your area and compare particle size and colour of the soil.	
NOVEMBER	Ch-11. Electric charges at rest. Ch.12-Light	1. Take a plastic comb and rub it vigorously through dry hair and bring it near tiny bits of paper. 2. Design a simple metal leaf electroscope. 1. Study the nature, size and position of images formed by different mirrors by using chart. project–make devices based on the phenomenon of reflection of light like kaleidoscope, periscope etc.	P.T.3 (Ch-4 and 9)
DECEMBER	CH.13-WEATHER, CLIMATE AND ADAPTATION OF ANIMALS. Ch14- Fabric from fibre	1. Collect and paste the pictures of animals found in the different climatic zones of India and write their adapting features. 1. List some fibres obtained from plants and animals also try to get their samples. 2. Find out the names of different breeds of sheep found in India and the place where they are found. 3. Find the name of different varieties of silk made in India.	
JANUARY	Ch.15-Forests Ch.17-Electric current and its effects.	1. Make a list of 5–10 wild life sanctuaries and national parks in India. Try to locate them on map. 2. Draw or collect and paste the pictures of some common trees found in India. Write their common names and scientific names. 1. Make working model of an electric bell. 2. List some electric devices or appliances based on the principle of heating effect or magnetic effect of current.	PT 4 (Chapter 11 and 12)
FEBRUARY		REVISION OF CHAPTER- 4, 7 to 9, 11 to 15 and 17.	TERM- 2

- NOTE: In Term1, Chapter16- (Water)isforInternalAssessment.
- In Term2, Chapter10-(Soil)isforInternalAssessment.

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CLASS - IX **SUBJECT - CHEMISTRY**

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	APRIL	1. MATTERS IN OUR SURROUNDINGS	1. To demonstrate the size and number of particles present in a matter.(dilution of $KMnO_4$) solution. 2. Preparation of a true solution of common salt, sugar and alum.
2	MAY	MATTERS IN OUR SURROUNDINGS	3. To demonstrate that liquids can take the shape of any container. 4. preparation of –(a) a mixture and (b) a compound.(iron filling and sulphur
3	JUNE	MATTERS IN OUR SURROUNDINGS	5. To demonstrate the compressibility of solid, liquid and gases. 6. to demonstrate the effect of temperature on change of state.(melting, evaporation and sublimation.)
4	JULY	2. IS MATTERS AROUND US PURE	7. To demonstrate some physical and chemical changes.
5	AUGUST	2. IS MATTERS AROUND US PURE	8. Preparation of a saturated solution of a salt in water. 9. Preparation of a colloidal solution of starch in water. 10. Activities to learn how to solve

			numerical problems.
6	SEPTEMBER	REVISION FOR FIRST TERM.	
7	OCTOBER	3. ATOMS AND MOLECULES	11. Activities to learn how to write the formula of compounds.
8	NOVEMBER	3. ATOMS AND MOLECULES	12. Writing electron configuration of an atom .
9	DECEMBER	4. STRUCTURE OF THE ATOMS	13. Calculation of valence electrons and valency.
10	JANUARY	4. STRUCTURE OF THE ATOMS	14. Preparation of an atomic model using thermocol and beads. Note: any suggested activity as per prescribed by CBSE can also be used for any chapter.
11	FEBRUARY	REVISION.	

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CLASS - IX

SUBJECT - Physics

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	April-May	7. Motion	1. Activities given in NCERT book
2	June	7. Motion	1. Activities given in NCERT book
3	July	8. Force and Newton's laws	1. Activities given in NCERT book
4	August	8. Force and Newton's laws 9. Gravitation (Up to Free fall)	1. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. 2. Activities given in NCERT book
5	September	Revision for Half Yearly Examination	
6	October	9. Gravitation (Cont..)	1. Establishing the relation between the loss in weight of a solid when fully immersed in Tap water & Strongly salty water r with

			<p>the weight of water displaced by it</p> <p>2. Activities given in NCERT book</p>
7	November	10. Work, Energy and Power	1. Activities given in NCERT book
8	December	10. Work, Energy and Power	<p>1. Verification of the Laws of reflection of sound.</p> <p>2. Activities given in NCERT book</p>
9	January	11. Sound	<p>1. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring)</p> <p>2. Activities given in NCERT book</p>
10	February	Revision for Annual Yearly Examination	

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SPLIT UP OF SYLLABUS CLASS VIII SCIENCE SESSION 2024- 2025.			
S.NO	MONTH	NAME OF THE CHAPTERS	LIST OF SUGGESTED PROJECTS/ACTIVITIES
1	APRIL & MAY	CH-01 THE CELL-ITS STRUCTURE AND FUNCTIONS CH-03 METALS AND NON METALS	*TO IDENTIFY PLANT AND ANIMAL CELL (PG.NO. 05) *TO SHOW THAT METTALIC OXIDES ARE BASIC IN NATURE (PG.NO. 43) *TO SHOW THAT NON METTALIC OXIDES ARE ACIDIC IN NATURE (PG.NO. 44)
2	JUNE	CH-04 FORCE AND PRESSURE CH-08 CONSERVATION OF PLANTS AND ANIMALS (FOR INTERNAL ASSESSMENT ONLY)	* TO SHOW THAT LIQUID PRESSURE INCREASES WITH DEPTH (PG.NO. 70) * TO SHOW THAT LIQUID PRESSURE IS TRANSMITTED EQUALLY IN ALL DIRECTIONS (PG.NO. 71)
3	JULY	CH-02 MICROORGANISMS FRIENDS OR FOES CH-05 FRICTION CH-09 CROP PRODUCTION AND ITS MANagements (FOR INTERNAL ASSESSMENT ONLY)	* SPOTTING OF DIFFERENT MICROORGANISMS (BY USING SLIDES/ PHOTOGRAPHS * TO SHOW THAT FORCE OF FRICTION INCREASES WITH INCREASE IN THE WEIGHT OF THE BODY (PG.NO. 89)
4	AUGUST	CH-06 SOURCES OF ENERGY CH-07 COMBUSTION CH-16 ELECTRIC CURRENT AND ITS CHEMICAL EFFECTS	* TO SHOW THAT VAPOURS ARE PRESENT IN THE INNERMOST ZONE OF THE CANDLE FLAME (PG.NO. 128) *TO SHOW THAT THE LIMINOUS ZONE OF THE CANDLE FLAME CONTAINS UNBURNT PARTICLES OF CARBON (PG.NO. 128) * SURVEY-TO COMPARE THE CONSUMPTION OF ELECTRICITY IN DIFFERENT HOUSEHOLDS
5	SEPTEMBER	REVISION FOR HALF YEARLY EXAM	
6	OCTOBER	CH-10 REFRACTION AND DISPERSION OF LIGHT CH-17 STARS AND SOLAR SYSTEM (FOR INTERNAL ASSESSMENT ONLY)	* TO OBSERVE REFRACTION OF LIGHT THROUGH A GLASS SLAB (PG.NO. 174) * TO OBSERVE DISPERSION OGF LIGHT THROUGH A GLASS PRISM (PG.NO. 176)
7	NOVEMBER	CH-11 THE HUMAN EYE CH-13 SYNTHETIC FIBRES AND PLASTICS	*MODEL OF HUMAN EYE USING WASTE MATERIALS * SURVEY ON DIFECTS OF VISION
8	DECEMBER	CH-12 SOUND CH-14 REPRODUCTIOIN IN ANIMALS CH-18 EARTHQUAKES (FOR INTERNAL ASSESSMENT ONLY)	* POWER POINT PRESENTATION ON 'NOISE POLLUTION' * TO IDENTIFY DIFFERENT REPRODUCTIVE PATTERNS IN SEXUAL REPRODUCTIN (PG.NO. 254,255)
9	JANUARY	CH-15 REACHING THE AGE OF ADOLESCENCE CH-19 POLLUTION	* POWER POINT PRESENTATION ON NUTRITIONAL NEEDS OF ADOLESCENTS * POWER POINT

		OF AIR (FOR INTERNAL ASSESSMENT ONLY) CH-20 POLLUTION OF WATER (FOR INTERNAL ASSESSMENT ONLY)	PRESENTATION ON CAUSES AIR POLLUTION AND ITS HARMFUL EFFECTS
10	FEBRUARY	REVISION FOR ANNUAL EXAM	