

DAV INSTITUTIONS, MP ZONE-D

SPLIT UP SYLLABUS

(2026-27)

CLASS - III

SUBJECT - SCIENCE

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	April	Chapter-1 My body	<ol style="list-style-type: none"> 1. Collect different food items and identify taste. 2. Collect different things around us, blindfold the student and tell them to feel about texture. 3. Blindfold activity – blindfold the student and drop the coin and ask student from which direction is the sound coming from . 4. Produce different sounds using technology and tell students to identify animal or bird.
2	June	Chapter -2 Plants around us	<ol style="list-style-type: none"> 1. Collect and paste pictures of trees ,shrubs, herbs, climbers, creepers. 2 Nature walk. 3 Plant Fairy Game: A game where children are asked to touch specific plants, leaves, or trunks, encouraging them to observe differences in texture and smell. 4 Tree Bark Rubbing: Place paper on tree bark and rub with crayons to observe textures.
3	July	Chapter-3 Importance of plants	<ol style="list-style-type: none"> 1. Assign roles – give each student a flash card with a role (e.g. – oxygen , food, etc) 2. Make paper bags with old newspaper or any other waste paper and decorate them. 3. Story telling .
		Chapter-4 Leaf	<ol style="list-style-type: none"> 1. Compost Making: where students collect fallen leaves and kitchen waste, placing them in a pit or pot covered with wet soil to create compost. 2. Leaf art activity. 3. Leaf printing/ rubbing activity. 4. Identification – match the rubbings to actual leaves and identify their tree species. 5. Tell the students to collect leaves of various plants and ask the names of plants for identification.
			Periodic Test – I (Chapter 1 &2)

4	August	Chapter-5 Animals	<p>1 Make a mini zoo- use cotton, cotton reels, colours, chart paper, glue etc.</p> <p>2.Use animals as science toys. Ask the students to identify different land and aquatic animals.</p> <p>3.Make a table and write the names of domestic animals, pet animals and wild animals.</p>
5	September	Revision (Chapter- 1,2,3,4 & 5)	TERM I EXAMINATION

6	October	Chapter-6 Feeding habits of animals	<p>1.Animal Sorting (Herbivore/Carnivore/Omnivore): Group animals (e.g., Lion, Cow, Bear) based on what they eat.</p> <p>2.Make a chart of showing different animals on the basis of eating habit.</p> <p>3.Paste pictures of blood sucking animals.</p> <p>4.Paste the pictures of houses of different animals</p>
7	November	Chapter-7 Birds and their nest	<p>1. Make a list of birds you see in your surroundings.</p> <p>2. Collect picture of different types of nest and paste them in your copy.</p> <p>3.Try to make a nest using grass thread leaves or any other material.</p> <p>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.</p> <p>Periodic Test – II (Chapter 6,7)</p>
8	December	Chapter-8 Food	<p>1 .Make a flower, house using different colour pulses.</p> <p>2. Collect picture of food items we get from plants and animals and paste them</p>

		Chapter-9 Cooking and eating habits	<p>1. Write the name and draw the utensils you see in kitchen.</p> <p>2. Write different methods of cooking which your mother uses.</p> <p>3. Show miniatures of utensils as science toys.</p> <p>4. Share a recipe of any of your favourite dish in class with your friends and identify the various methods of cooking.</p>
9	January	Chapter-10 Water	<p>1. Tracking Household Water Use: A table tracking daily tasks like bathing, washing clothes, and watering plants to understand usage.</p> <p>2. Paste pictures of five dams of India.</p> <p>3. Draw a picture of rainy day and colour it.</p> <p>4. Map board puzzle: locate and label various rivers of North and South India.</p> <p>5. Mapping Water Sources: Drawing, coloring, and labeling natural sources of water like rivers, lakes, oceans, and rain.</p>
10	February	Revision (Chapter- 6,7,8,9,10)	TERM II EXAMINATION

DAV INSTITUTIONS,MPZONE-D SPLIT
UP SYLLABUS
(2026-27)
CLASS - IV **SUBJECT-SCIENCE**

S.No.	Month	Name of Units/Chapters	Assessment/Activities
1	APRIL	CHAPTER-1 My Body	1.Draw human digestive system 2.Label the body parts with flags / sticky notes . 3.Denture making 4..Role play : Digestive system
2	JUNE	CHAPTER-2 Plants	1.Field trip to see Tap root and Fibrous roots 2. Collect, cut and paste pictures of plants having 1)Taproot2)Fibrous roots 3. Show roots of plants in classroom – carrot , coriander , radish , etc.
			PERIODIC TEST-1 (Chapter 1 and 2)
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.Use props like toy bees and flowers to demonstrate pollination. 1.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 bird showing Different types of beaks.
5	SEPTEMBER	Revision for half yearly exam	HALFYEARLY EXAM(Chapter 1,2,3,4,5)
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 Eat well Plate</p> <p>3. Activity : Name the nutrients present in your lunch box</p> <p>4. Chart : Nutrients : Function: Sources</p>
			PERIODICTEST-2 (Chapter 6,7)
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: Rainwater Harvesting</p> <p>3. Working Model of</p> <p>a) Rain water Harvesting</p> <p>b) Traditional Filter</p> <p>4. Models of water storing containers .</p>
9	JANUARY	CHAPTER-10 Water Pollution	Poster making : Water Pollution: causes and Prevention
10.	FEBRUARY	Revision for Annual exam	ANNUAL EXAM (chapter 6,7,8,9,10)

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CLASS– V

SUBJECT : SCIENCE

TERM1 (APRIL TO SEPTEMBER)

MONTH	CHAPTER	SUGGESTED ACTIVITIES
APRIL	1. MY BODY 2. PLANTS	<ul style="list-style-type: none">• Live demonstration of Bone joint functions by the Physical exercise.• Joints Identification: Locating and understanding hinge, ball-and-socket, and pivot joints.• Body Map.• Clay modeling (Body Parts/Sense Organs).• Make a joint model.• Joint in sports – Students can share their favorite sports and explain which joints are most active during those activities. • Field Trip /Germination of Gram Seeds.• Seed Bombs: Make seed bombs to promote 'new plant growth'.• Chlorophyll art – use leaves to paint.
JUNE	3.Forests	<ul style="list-style-type: none">• Poster Making On 'Save Forest'.• Slogan Writing On 'Save Trees'.• Riddle Making on Forest Products.• Forest Film Study: Watching documentaries about forests and wildlife.
JULY	4.Animals -our Friends 5.Food and Health	<p>PERIODIC TEST I- Chapter 1,2</p> <ul style="list-style-type: none">• Creative Projects: Create "Panda cards" to learn about animal diets, or create animal crafts using recycled materials.• Animal Utility Study: Discuss the five ways animals are useful, including transportation (horses/camels), farming, and clothing.• Animal Role Play. • Communicable and Non – communicable disease :-Sorting cards with various Illnesses to teach the difference between diseases that spread and those caused by nutrition deficiencies.• Crossword Puzzle with Clues.• Speech on Healthy Food Vs Junk Food.• 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 1to 6) and TERM 1 Exam	

TERM 2(OCTOBER TO MARCH)

MONTH	CHAPTER	SUGGESTED ACTIVITIES
OCTOBER	7. Importance 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'.
NOVEMBER	8. Properties of Water 9.Fuels	<ul style="list-style-type: none"> • Evaporation Race: Place small amounts of water In a sunny spot vs. a shady spot and compare "ow long each takes to evaporate. • Use real life objects like vegetables, fruits etc to show Properties of Water Like Floating, Sinking, Solubility. • The Oxygen Test: Place a lit candle In a shallow dish of water and cover it with a glass jar. Students 'observe that the flame goes out once the oxygen is used u", teaching them that fuel needs oxygen to burn. • Poster Making on ' Save Energy'. • Speech on 'Importance of Green Fuel'. <p style="text-align: center;">PERIODIC TEST – II (Chapter 7,8)</p>
DECEMBER	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 • Riddles on Planets.
JANUARY	12.Observing the Sky	<ul style="list-style-type: none"> • Moon Phase Diary: Recording the shape of the moon for 15 days to observe it changing from a crescent to a full moon. • Constellation Art: Using black chart paper and white paint or stickers to map constellations like Orion or Ursa Major. • Day-Night Model: Using a globe (Earth) and a torch (Sun) to demonstrate how Earth's rotation causes the Sun to appear in the East and set in the West.
FEBRUARY	Revision (CHAPTER 7 to 12) and TERM 2 Exam	

DAV INSTITUTIONS, MP ZONE-D
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CLASS - VI **SUBJECT - SCIENCE**

Sl.NO.	Month	Name of Units/ Chapters	Assessment/Activities
1	April	Chapter-1 Our Environment (For Internal Assessment only)	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	July	Chapter-4 Separation of Substances	<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.
		Chapter-5 Changes Around Us	<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 style="text-align: center;">Periodic Test-I (Chapter 2 &3)</p>
4	August	Chapter-7 The World of Living	<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.
		Chapter-10 Work and Energy	

			<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	September	Revision (Chapter – 2,3,4,5,7 & 10{Term 1 Syllabus})	TERM 1 Examination Note-Chapter 6 (Our Environment)is for internal Assessment
6	October	<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	November	Chapter-9 Structure and Function of the Living Organisms – Animals	<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.
			Periodic Test-II (Chapter 8 & 9)
8	December	<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.
10	February	Revision (Chapter- 7, 8,9, 10,11,12,13 & 14{Term 2 syllabus})	<p style="text-align: center;">TERM 2 EXAMINATION</p> <p style="text-align: center;">Note-Chapter 6 (Measurement and motion) is for internal Assessment</p>

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
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CLASS–VII

SUBJECT: SCIENCE

TERM1 (APRIL TO SEPTEMBER)

MONTH	CHAPTER	SUGGESTED ACTIVITIES	ASSESSMENT
APRIL	<p>CH.1-Nutrition in living organisms (plants)</p> <p>Ch.2-Nutrition in Living organisms (Animals)</p>	<p>1. Apply thin coat of Vaseline on both sides of a leaf of a potted plant and observe it for few days.</p> <p>2. Keep moist piece of bread in a warm place for 3-4 days. Observe the organism growing on it and identify its mode of nutrition.</p> <p>1. Chew a piece of bread/chapatti for 3-4 minutes and note the change in taste.</p> <p>1. Starch test in boiled rice before and after adding saliva.</p> <p>2. Make a flowchart showing the journey of chapatti or a sandwich through various parts of alimentary canal.</p> <p>3. Make a model of digestive system.</p> <p>4. Role play—students can enact the role of a particular organ of the digestive system.</p>	
JUNE	Ch.3- Chemical substances and processes.	<p>1. List any five physical and chemical changes that you see around you.</p> <p>2. Prepare a chart to show different types of Chemical reaction with examples.</p>	
JULY	<p>Ch.5-Heat</p> <p>Ch.6-Motion and time.</p>	<p>1. Measure human body temperature using clinical thermometer.</p> <p>1. Heating metal rod coated with wax to show conduction of heat.</p> <p>2. Heat water with few crystals of $KMnO_4$ in a round bottom flask to show transfer of heat by movement of water molecules.(convection)</p> <p>1. Lab activity- Measure the time period of a simple pendulum.</p> <p>1. Calculate the speed of various objects like toy car, pencil, plastic ball, tennis ball which can be roll down the inclined plane.</p>	PT 1(Ch-1 and 2)

AUGUST	Ch7.Respiration in organisms. CH.8-Transportation in Plants and animals.	1. Make the list of respiratory organ of different organisms. 2. Prepare a model or a chart of human respiratory system. 3. Perform an experiment to show exhaled air contains CO ₂ . 1. Perform an activity to show the path for movement of water through the stem. 2. Prepare a chart/model of human heart and human excretory system.	PT.2 (Ch-3 and5)
SEPTEMBER	REVISION	REVISION OF CHAPTER-1, 2, 3, 5, 6, 7 and 8	TERM 1

TERM-2(OCTOBER TOMARCH)

MONTH	CHAPTER	SUGGESTEDACTIVITIES	TESTS
OCTOBER	Ch.4Acidbaseand 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) 1. 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-4and9)
DECEMBER	CH.13-WEATHER, CLIMATEAND ADAPTATIONOF ANIMALS. Ch14- Fabric From fibre	1. Collectandpastethepicturesofanimalsfoundinthe Different climatic zones of India and write their adapting features. 1. Listsomefibresobtainedfromplantsand Animals also try to get their samples. 2. Findout 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 wildlife sanctuaries and national parks in India. Try to locate them on a 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 a 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) is for Internal Assessment.**
- **In Term2, Chapter10-(Soil) is for Internal Assessment.**
- **1.** The following chapters from TERM1 (30%) will be included in TERM2 exam CHAPTER- 7 and 8.
- **2.** Teachers may use alternate activities apart from suggested activities related to the topic or given in the book.

DAV PUBLIC SCHOOLS, MP ZONE D			
SPLIT UP OF SYLLABUS		CLASS VIII	SCIENCE SESSION 2026- 2027.
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 REPRODUCTION 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 OF AIR (FOR INTERNAL ASSESSMENT ONLY) CH-20 POLLUTION OF WATER (FOR INTERNAL ASSESSMENT ONLY)	* POWER POINT PRESENTATION ON NUTRITIONAL NEEDS OF ADOLESCENTS * POWER POINT PRESENTATION ON CAUSES AIR POLLUTION AND ITS HARMFUL EFFECTS
10	FEBRUARY	REVISION FOR ANNUAL EXAM	

DAV INSTITUTIONS, MP ZONE-D
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SESSION - (2026-27)
CLASS -IX (SCIENCE)
PHYSICS

Sl. No.	Month	Units / Chapters	Assessment / Activities
1	April–May	7. Motion	Activities given in NCERT book
2	June	7. Motion	Activities given in NCERT book
3	July	8. Force and Newton’s Laws(up to second law of motion)	Activities in NCERT (PT-1: Motion)
4	August	8. Force and Newton’s Laws (Contd from III rd law)	Activities in NCERT book, PT -2
5	September	Revision for Half Yearly Examination	(Motion + Force & Newton’s Laws)
6	October	10. Work, Energy and Simple Machines(50%)	Practical applications: pulleys, levers + NCERT activities
7	November	10. Work, Energy and Simple Machines (second 50%.)	Activities in NCERT book (PT-3)
8	December	11. Sound (50%)	Verification of laws of reflection of sound
9	January	11. Sound (second 50%)	Speed of pulse using string/slinky + NCERT activities
10	February	Revision for Annual Examination	Full syllabus

Exam-wise Syllabus Distribution PT-1 (25%): Motion PT-2(30%)

HalfYearly(50%):Motion,Force and Newton’s Laws

PT-3 (25%): Work, Energy and Simple Machines Annual Exam: Full syllabus

CHEMISTRY

S.No.	Month	Unit/topic
1	April	Mixture, classification of Mixture, Solution
2	June	Concentration of solution, Solubility of substances, methods of separation, Crystallization
3	July	Distillation, Paper chromatography, separation of heterogeneous mixture
4	August	Sublimation, Suspension, Colloids, Tyndall effects
5	September	Atomic foundation- Physical change, Laws of conservation of mass and law of constant proportion, Dalton’s atomic theory,
6	October	Combination of atoms, Bonding, Ionic bonds, Naming Ionic compounds, Writing chemical formula
7	November	Properties of Ionic and covalent compounds, Molecular Mass
9	December	Molecular mass of covalent compounds and ionic compounds

10	January	Formula unit mass
11	February	Revision for annual exams

PT I PORTION

Chapter -5 Chapter 5 Exploring Mixture and their separation

Mixture, classification of Mixture, Solution.

Concentration of solution, Solubility of substances.

PT II PORTION

Chapter 5 Chapter 5 Exploring Mixture and their separation

methods of separation, Crystallization Distillation, Paper chromatography, separation of heterogeneous mixture, Sublimation, Suspension, Colloids, Tyndall effects Sublimation, Suspension, Colloids, Tyndall effects.

HALF YEARLY

Chapter 5 Exploring Mixture and their separation

Mixture, classification of Mixture, expression of concentration,

Solubility of substance, methods of separation, Distillation.

How Can We Separate the Components of Heterogeneous Mixtures?

Paper Chromatography

Sublimation. Suspensions, Centrifugation, Coagulation

Colloids, Tyndall Effect.

Chapter 9 Atomic Foundations of Matter

Physical change, Law of conservation of mass and constant proportion. Daltons Atomic theory

BIOLOGY

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	APRIL & May	Cell-The Building Block of Life	Activity – 1- Preparation of slide of onion peel cell. Activity – 2-Demonstration of activity of osmosis and diffusion.

	JUNE	Tissues in Action (Plant Tissue)	Activity – 3- Observation of permanent slides of Plant tissues.
3	JULY	Tissue in Action (Animal Tissue)	Activity – 4- Observation of permanent slides of Animal tissues.
		PORTION FOR PT- 1 – Cell-The Building Block of Life	
4	AUGUST	Reproduction - How Life Continues	Project work and Assignments.
		PORTION FOR PT- 2 – Tissue in Action	
5	SEPTEMBER	Revision of all Chapters of Term - 1 PORTION FOR HALF YEARLY EXAMINATION- Cell-The Building Block of Life & Tissue in Action	
6	OCTOBER	Patterns in Life-Diversity and Classification (Up to Kingdom Plantae)	
7	NOVEMBER	Patterns in Life - Diversity and Classification (Up to Kingdom Animalia)	Portfolio/ Project work
		PORTION FOR PT- 3- Reproduction - How Life Continues	
8	DECEMBER	Revision	
9	JANUARY	Revision	

Chemistry

S.No.	Month	Unit/Topic
1	April	Chemical Reaction and Equations (Up to Double Displacement Reaction)
2	June	Chemical Reactions and Equations (Oxidation & Reduction reaction)
3	July	Acids Bases and Salts
4	August	Metals and Non-Metals (Up to Reactivity series), Practical – I
5	September	Revision & Half Yearly Exams
6	October	Metals and Non-Metals (Metallurgy & Corrosion)
7	November	Carbon & its Compounds (Up to properties of Ethanol)
9	December	Carbon & its Compounds (Soap and Detergent), Revision, Practical – II

PT I PORTION

Chemical reactions and equations (up to double displacement reaction).

Chemical reactions and equation (oxidation and reduction reaction).

PT II PORTION

Acid, Bases and salt

HALFYEARLY PORTION

Chemical reactions and equations

Acid Bases and salt

Metal and Non metal

BIOLOGY

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	April	Chapter 1: Life Processes (Nutrition & Respiration)	Experiment No.6 and 7
2	May	Chapter 1: Life Processes (Transportation & Excretion)	

3	June	Chapter 2: Control and Coordination (up to Coordination in Plants)	
4	July	Chapter 2: Control and Coordination (up to Hormones in Animals) PORTION FOR PT - I LIFE PROCESSES (NUTRITION & RESPIRATION)	
5	August	Chapter 3: How Do Organisms Reproduce? PORTION FOR PT - II LIFE PROCESSES (TRANSPORTATION & EXCRETION)	Experiment No.12 & 14
6	September	Revision of Chapter 1 and 2 PORTION FOR HALF YEARLY EXAMINATION LIFE PROCESSES & CONTROL AND COORDINATION	
7	October	Chapter 4: Heredity	
8	November	Chapter 5: Our Environment PORTION FOR PT – III HEREDITY	
9	December January	Revision : Chapter 1, 2 ,3, 4 & 5 PRE BOARD PORTION CHAPTERS-5,6,7,8 & 13.	Pre - Board Examination(s)

Note: For detailed syllabus kindly prefer CBSE class X SCIENCE syllabus.

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SPLIT UP SYLLABUS
SESSION - (2026-27)
CLASS -XI SUBJECT – PHYSICS

Monthly Plan

Month	Assessment	Detailed Syllabus
June		Units and measurements
July	-	Motion in a Straight Line Motion in a Plane
August	PT-1 (Ch 1,2,3)	Laws of Motion Work, Energy and Power System of Particles and Rotational Motion
September	Half Yearly (Ch 1–8)	Gravitation Revision & Half Yearly Exam
October	-	Mechanical Properties of Solids Mechanical Properties of Fluids
November	PT-2 (Ch 9,10)	Thermal Properties of Matter Thermodynamics
December	-	Kinetic Theory of Gases Oscillations
January	-	Waves
February	-	Revision
March	Annual Exam	Full Syllabus

DAV INSTITUTIONS, MP ZONE-D
SPLIT UP SYLLABUS
SESSION - (2026-27)
CLASS -XI SUBJECT – CHEMISTRY

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	APRIL	-----	-----
2	MAY	-----	-----
3	JUNE	1. SOME BASIC CONCEPTS OF CHEMISTRY	1. Knowledge of different lab instruments (chemical balance, burette, pipette etc)
4	JULY	2. STRUCTURE OF ATOMS 3. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	2. Preparation of a standard solution of a given molarity of oxalic acid. 3. Determination of melting and boiling point of given organic compounds. 4. Acid – base titration between A) Strong acid and weak base.
5	AUGUST	4. CHEMICAL BONDING AND MOLECULAR STRUCTURE 5. CHEMICAL THERMODYNAMICS (till 1st law of thermodynamics)	B) Strong acid and strong base. C) Weak acid and strong base.
6	SEPTEMBER	REVISION FOR FIRST TERM.	
7	OCTOBER	REST PART OF THERMODYNAMICS 6. EQUILIBRIUM	5. Salt analysis of different salts as per systematic analysis. (one cation , one anion)
8	NOVEMBER	7. REDOX REACTIONS	6. Comparing the pH of solutions of strong and weak acids of same concentration.
9	DECEMBER	8. ORGANIC CHEMISTRY: SOME BASIC PRINCIPLES AND TECHNIQUES. 9. HYDROCARBONS. (Alkanes, alkenes and alkynes.)	7. Crystallization of impure sample of any one of the followings: Alum, copper sulphate, benzoic acid. 8. Making 3-D model of methane from ball and sticks.
10	JANUARY	HYDROCARBONS. (aromatic hydrocarbons) REVISION.	
11	FEBRUARY	REVISION.	

PT I PORTION

1. Some basic concepts of chemistry
2. Structure of atom

PT II PORTION

1. Some basic concepts of chemistry.
2. Structure of atoms
3. Periodic classification and periodicity in properties of elements.

HALF YEARLY PORTION

1. Some basic concepts of chemistry
 2. Structure of atom
 3. Classification of elements and periodicity
 4. Chemical bonding
 5. Thermodynamics up to 1st law

DAV INSTITUTIONS, MP ZONE-D
SPLIT UP SYLLABUS
SESSION - (2026-27)
CLASS -XI SUBJECT – BIOLOGY

Sl. No.	Month	Name of Units/ Chapters	Assessment/Practical
1	June	Chapter-1: The Living World Chapter-2: Biological Classification	Experiment 1 (Section A) Major Experiment – 1, Activity- Flash card preparation Of Classification Different organism
2	July	Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants	Experiment No.- 1, 2,3 & 5 (Section B). Activity – Identification of locally available flowering plants with Classification.
3	August	Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals Chapter-8: Cell: The Unit of Life	Experiment No.-2 & 5 (Section A) Periodic Test-1 (Chapter- 1, 2 and 3) Activity – Differentiation of Monocot and dicot on the basis of anatomical features.
4	September	Chapter-9: Biomolecules REVISION: Chapter 1-9	Experiment No.- 7,10,11,12 &13 (Section A) HALF YEARLY EXAMINATION
5	October	Chapter-10: Cell Cycle and Cell Division Chapter-11: Photosynthesis in Higher Plants	Experiment No. - 8 (Section A) Experiment No. – 4,5, (section B) Activity – Study of compound Microscope.
6	November	Chapter-12: Respiration in Plants Chapter-13: Plant - Growth and Development Chapter-14: Breathing and Exchange of Gases	Experiment No. - 9 (Section A) Periodic Test-2 (Chapter 10 & 11, 12)

7	December	Chapter-15: Body Fluids and Circulation Chapter-16: Excretory Products and their Elimination Chapter-17: Locomotion and Movement	Experiment No. - 6 (Section B) Activity – Study of human skeleton.
8	January	Chapter-18: Neural Control and Coordination Chapter-19: Chemical Coordination and Integration	Experiment No. – 3, 4 & 6 (Section A) Periodic Test-3 (Chapter 13, 14, 15)
9	February	REVISION: Chapter 1 to 19	ANNUAL EXAMINATION

Note: For detailed syllabus kindly prefer CBSE class XI Biology syllabus.

DAV INSTITUTIONS, MP ZONE-D
SPLIT UP SYLLABUS
SESSION - (2026-27)
CLASS -XII SUBJECT – PHYSICS

Monthly Plan

Month	Assessment	Detailed Syllabus
April	-	Electric Charges and Fields Electrostatic Potential and Capacitance
May	-	Electrostatic Potential and Capacitance (Continuation) Numericals & Practice
June	-	Current Electricity
July	PT-1 (Ch 1 & 2)	Moving Charges and Magnetism Magnetism and Matter
August	PT-2 (Ch 3 & 4)	Electromagnetic Induction Alternating Current Electromagnetic Waves
September	Half-Yearly Exam	Ray Optics and Optical Instruments Wave Optics Revision
October	-	Dual Nature of Radiation and Matter Atoms Nuclei
November	Pre-Board 1	Semiconductor Electronics Revision
December	Pre-Board 2	Full Syllabus Revision
January	Pre-Board 3	Full Syllabus Revision
February	-	Final Revision & Board Preparation

Half-Yearly Exam Syllabus

S. No.	Chapter Name
1	Electric Charges and Fields
2	Electrostatic Potential and Capacitance
3	Current Electricity
4	Moving Charges and Magnetism
5	Magnetism and Matter
6	Electromagnetic Induction
7	Alternating Current
8	Electromagnetic Waves
9	Ray Optics and Optical Instruments

DAV INSTITUTIONS, MP ZONE-D
SPLIT UP SYLLABUS
SESSION - (2026-27)
CLASS -XII SUBJECT – CHEMISTRY

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	APRIL	1. SOLUTION 2. ELECTROCHEMISTRY.	1. Determination of the solubility of a salt at different temperature and plotting a solubility temp curve. 2. Construction of a Daniel cell.
2	MAY	3. CHEMICAL KINETICS.	1. To study the effect of concentration and temperature on the rate of reaction between sodium thiosulphate and hydrochloric acid.
3	JUNE	CHEMICAL KINETICS CONTINUED.	2. Same as above with KI and hydrogen peroxide.
4	JULY	4.d AND f BLOCK ELEMENTS. 5. COORDINATION COMPOUNDS.	1. Preparation of a double salt (ferrous ammonium sulphate)
5	AUGUST	6. HALOALKANES AND HALOARENS. 7. ALCOHOL, PHENOL AND ETHERS.	1. Detection of functional group (Alcoholic, phenolic, unsaturation.)
6	SEPTEMBER	REVISION FOR FIRST TERM.	
7	OCTOBER	8. ALDEHYDES AND KETONES AND CARBOXYLIC ACIDS.	1. Detection of functional group (aldehyde and carboxylic acid)
8	NOVEMBER	9. AMINES. 10. BIOMOLECULES.	Project work on any suitable topic as per CBSE syllabus
9	DECEMBER	REVISION FOR 1 ST PREBOARD.	
10	JANUARY	REVISION FOR 2 ND PREBOARD.	
11	FEBRUARY	REVISION.	

PT I PORTION

Chapter 01 Solution

Chapter 02 Electro chemistry

Chapter 03 Chemical Kinetics

PT II PORTION

1.D & F Block.

2.Cordination Chemistry.

HALFYEARLY PORTION

1. Solution
2. Electrochemistry
3. Chemical kinetics
4. d and f block
5. Coordination compounds
6. Alkyl and Aryl halides
7. Alcohol, phenol and ether

DAV INSTITUTIONS, MP ZONE-D

SPLIT UP SYLLABUS

SESSION - (2026-27)

CLASS - XII

SUBJECT – BIOLOGY

Sl. No.	Month	Name of Units/ Chapters	Assessment/Activities
1	April	UNIT- VI – REPRODUCTION CHAPTER- 1- Sexual Reproduction in Flowering Plants. 2- Human Reproduction 3- Reproductive Health.	PRACTICALS 1- SECTION A- Exp No- 1 2- SECTION - B- Exp- No-1, 2, 3 , 5 and 8
2	May	UNIT- VII- GENETICS AND EVOLUTION. CHAPTER-4- Principles of Inheritance and Variation.	SECTION- A - Exp- No - 4
3	June	CHAPTER- 5- Molecular Basis of inheritance.	SECTION – A - Exp – No – 5
4	July	CHAPTER- 6- Evolution.	SECTION- B- Exp– No – 6 &7
		PORTION OF PT – 1 CHAPTER – 1, 2 & 3.	
5	August	UNIT- VIII BIOLOGY IN HUMAN WELFARE.	Investigatory Projects.
		CHAPTER- 7- Human Health and Disease. CHAPTER- 8- Microbes in Human Welfare. UNIT- IX BIOTECHNOLOGY.	SECTION – B – Exp – No – 9 & 11

		CHAPTER- 9- Biotechnology: Principles and Processes	
		PORTION FOR PT – 2 CHAPTER – 4 ,5&6	
6	September	CHAPTER- 10- Biotechnology and its Applications.	
		PORTION FOR HALF YEARLY EXAMINATION- CHAPTER- 1 TO 10 (70% OF THE SYLLABUS).	
7	October	UNIT- X ECOLOGY CHAPTER- 11- Organisms and Populations. CHAPTER- 12- Ecosystem.	SECTION- A – EXP -No- 2 &3
8	November	CHAPTER- 13 – Biodiversity and Conservation.	SECTION – B – EXP-No- 10
9	December January	Revision PORTION FOR PRE BOARD EXAMINATION – WHOLE SYLLABUS	Pre Board Examination(s)

Note: For detailed syllabus kindly prefer CBSE class XII Biology syllabus.