

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – ENGLISH

GRADE - XI

Name of the Book	Publisher
Hornbill	NCERT
Snapshots	NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Hornbill L 1, & 2 Poem - A Photograph Snapshots L 1 & 2 Grammar	Hornbill L 1 to 4 Poem - A Photograph, The Laburnum Top Snapshots L 1 to 4 Grammar
Assessment	Periodic Test 3 (Nov)	Annual Exams (Feb)
Term 2 (October to February)	Hornbill L - 5,6 Poem -The voice of the rain Snapshots L – 5 Grammar	Hornbill L 1 to 8 All Poems Snapshots L 1 to 6 (Whole course) Grammar

Subject weightage - 6 periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work	
April 2024 (16 days) Actual Teaching days -12	Hornbill L 1 The Portrait of a lady	3	Give a brief account of grandmother – life in the village, city and after the author’s return from abroad.	
	Poem A Photograph	2	Prepare a PPT on the biography of Khushwant Singh also include his remarkable works. Debate on “Are old age homes necessary?”	
	Snapshots L1 The summer of the white beautiful horse	3	Write a brief report on the memories of the poet on her mother.DO you have any such instances? Recollect and Write. (Narrative description.) Discuss on the boys adventure with the horse.The belief on the Garagolian tribe.The pains of Uncle Khusrove and their tribe of losing their own land.(Speaking Skill)	
	Reading Comprehension Writing; Note Making & Summarizing Determiners		1	Reading comprehension based on any moral story.
			2	https://youtu.be/q8tIgb_BtI?si=SSFUqlooxLkkvk1 Make notes on the passage given and write a summary in 80 words. https://byjus.com/english/determiners-exercises/
June (9 days) Actual Teaching days 5	L 2 We’re not afraid to die...	3	Discuss on the confidence of the writer and his family members & the crew in their surviving skills at the time of distress. Write a report as witnessed by you of the writer in surviving the wave hit. (Report Writing)	

<p>October (15 days)</p> <p>Actual teaching days -14</p>	<p>Snapshots L 5 Birth</p> <p>Hornbill L 5 The Ailing Planet</p> <p>Hornbill L 6 The Browning Version</p> <p>Designing or Drafting poster</p> <p>Application for Job</p> <p>Debate writing.</p>	<p>4</p> <p>4</p> <p>3</p> <p>1</p> <p>1</p> <p>1</p>	<p>Debate on how theory and practical values help the Doctor in saving the child.</p> <p>Make a PPT on the substantiate development that is required for keeping the earth safe for future.</p> <p>Role play on the characteristics of both the teachers in Browning Version.</p> <p>Draft a poster to create an awareness among the people to wear mask properly, vaccination is for one's own protection.</p> <p>https://youtu.be/u8ovqjhjRKAasi=fzJV72SHDaDBQAD8 Write a job application with the resume for the post of an accountant.</p> <p>https://youtu.be/yDghxtT6k8M?si=f600i-Eww042LvKm</p> <p>Write the debate on the topic that "space stations are harmful for us".</p> <p>https://youtu.be/Ky9F01yjG-Y?si=ZkhvmkEgEiaSn4O9</p>
<p>November (16 days)</p> <p>Actual teaching days -12</p>	<p>Hornbill L 7 The Adventure</p> <p>Change the Voice, Clause, Revision & Practice</p>	<p>4</p> <p>4</p>	<p>Write a travelogue on the places you visited & also share your experience. Make a PPT on the author Jayant Narlikar</p> <p>1. https://youtu.be/nXNFyY7xe8I?si=8VITGHt_N6EHn-y8 (Voice)</p> <p>2. https://byjus.com/english/active-and-passive-voice-exercises/</p> <p>1. https://youtu.be/8dT_MIEIHo8?si=JOUhgk3bTzGh1ML (Clause)</p> <p>2. https://byjus.com/english/clauses-exercises/</p>
<p>December (12 days)</p>	<p>Hornbill Poem Childhood</p> <p>Hornbill L 8 Silk Road</p> <p>Error corrections & Voice</p>	<p>3</p> <p>5</p> <p>4</p>	<p>Write a poem on your realisation of losing your childhood. Make a PPT on the works of the poet Marcus Natten.</p> <p>Write a description on the historical importance of silk road & also the difficulties faced by narrator during his journey.</p> <p>https://youtu.be/Mxuckc_T854?si=40BRP20od5xFsfns (Error corrections)</p> <p>https://byjus.com/english/error-correction-exercises/</p>
<p>January 2025 (25 days)</p>	<p>Snapshots L 6 The Tale of Melon city</p> <p>Poem Father to son</p> <p>Creative writing practice</p> <p>Reading Comprehension (Factual)</p>	<p>3</p> <p>2</p> <p>20</p>	<p>Role play on The Tale of Melon City.</p> <p>Discuss the importance of a leader- his efficiency important or not.</p> <p>Try to recollect your experience with your father and express your acceptance or regret on your action.</p> <p>Make a PPT on the gist of the poem, literary devices & rhyme schemes used by the poetess Elizabeth Jennings</p> <p>Comprehension on any Factual event.</p>
<p>February 2025 (8 days)</p>	<p>Annual Exam Revision</p> <p>Practical Exam / Internal Assessment</p> <p>Annual Exam</p>	<p>8</p>	

Other Web. References-

https://diksha.gov.in/play/collection/do_31310347526558515211068?referrer=utm_source%3Dmobile%26utm_campaign%3Dshare_content&contentId=do_31298556553131622418

Subject Teacher: Ms. Sweta Singh

Sign:

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – FOOD, NUTRITION AND DIETETICS

GRADE - XI

Name of the Book	Publisher
Food, Nutrition And Dietetics (Class XI)	CBSE
Employability Skills (Textbook For Class XI)	NCERT
General Studies (For Grade XI FND students)	CBSE

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	FND – Unit 1 and Unit 2- Employability Skills - Unit 1	FND -Units 1 to 3 Employability Skills -Units – 1 to 3
Assessment	Periodic Test 3 (Nov)	Annual Exams (Feb)
Term 2 (October to February)	FND -Unit 4 and 5 Employability Skills -Unit 4	FND -Subject Specific Skills -Unit 1 to 6 Employability Skills – Unit 1 to 5 (Whole Course)

Subject weightage - 6 periods per week per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Why FND? Why should we study FND: What are career options to FND students?	1	1. Plan A Balanced Meal For Infants and Children.
	Unit 1- Food And Nutrition: Basic Concept	1	2. Preparation of Immunization Schedule.
	Chapter 1- Nutritional Status And Primary Health Care.	1	3. PPT on Importance of Food and Good Health.
	Chapter 2 Food: Basic Concept.	1	4.Report on Necessity of Macro and Micronutrients in Our Body.
	Chapter 3 Nutrients	1	5.Report Writing on RDA.
	Chapter 4 Recommended Dietary Allowance	1	6.Project File on Importance of Meal Planning.
	Chapter 5 - Concepts Of Meal Planning.	1	7. Design A Sample Meal Plan For Pre-schoolers.
	Unit 2- Nutrition Through Life Cycle	1	8. Report on Importance of Breakfast.
	Chapter 1- Nutrition Through Infancy And Pre -School Years	1	9.Brief Summary of Dietary Guidelines During Pregnancy.

	Chapter 2 Nutrition During Childhood Chapter 3 - Nutrition During Adulthood And Old Age. Chapter 4 - Nutrition During Pregnancy And Lactation. General Studies – Unit 1 Science And Technology.	1 1 1 1	
June (9 days) Actual teaching days 5	Why FND? Why should we study FND: What are career options for FND students? Employability Skills- Unit 1- Communication Skills Revision For Pt-1	1 3 4	10. Interview Working Mothers For Substitute Care. 11. Plan A Balanced Meal For Adolescents and Old Age
July (15 days - Before PT1-5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Unit - 3 Public Health And Nutrition Chapter 1 -Human Development Index, SDG: Basic Concepts Chapter 2- Malnutrition Chapter 3 Methods For Assessment Of Nutritional Status General Studies- Unit 2 - Understanding Social Structure	5 1 3 3 2 1	12. Listing of Foods In Local Market According To ICMR Groups. 13. Plan A Balanced Meal For Pregnant And Lactating Women. 14. Chart on Human Development Goals (17) 15. Chart on Malnutrition Consequences. 16. PPT on Direct Methods Used To Assess Nutritional Status. 17. Find Out The National Programmes For Anemia Control. 18. File on Importance of Vitamins To Keep Good Health. 19. Chart On WHO Classification of Body Mass Index (BMI).
August (19 days) Actual teaching days -16	Employability Skills - Unit - 2 & 3 General Studies- Unit 3 Protection Of Environment Unit 4- National Unity Sewa Activity - Swachh Vidyalaya - Swachh Bharat, Dignity Of Labour	4 4 4 2	20. Identify Adjustment Problems Of Adolescents. 21. Project on Environment Protection. 22. Activity – Keeping our house and workplace clean, neat, and tidy, making our bed, Making our room, SEWA work at neighbourhood common place or park.
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Revision Of Unit 1,2,3 (Specific Skills And Employability Skills.) PT 2 Exam Practical Exam / Internal Assessment	5 5	23. Visit To An Old Age Home 24. Write a story on helping a ‘divyang’ neighbour or class fellow or colleague at workplace.
October (15 days) Actual teaching days -14	Unit 4 - Public Health And Nutritional Disorders Chapter 1 - Major Deficiency Disorder Chapter 2 - Nutrition Problems Chapter 3 - Overweight / Obesity Chapter 4 - Non - Communicable Diseases Employability Skills - Unit 4 ICT Skills General Studies - Unit 5 - International Understanding.	1 3 3 2 3 2 1	25. Prepare A Nutritious Meal Using Different Cooking Methods. 26. Demonstration on How to Make Hand Sanitizer at Home.

November (16 days) Actual teaching days -12	Unit 5 - Public Health And Nutrition Programmes Chapter 1 National Programme For Welfare Of Women And Children. Chapter 2 Programmes For Welfare Of Adolescent Girls And Women Sewa Activity - Being Safe And Responsible Revision PT 3 Exams	1 3 3 1 8	27. Enlist Deficiency Diseases 28. Report writing on Welfare Programmes of Union and State Governments for Adolescent girls and women.
December (12 days)	Unit - 6 Nutrition Education Chapter 1 Nutrition Education, Communication And Behavior Change . Sewa Activity - Environment Conscious Citizens	4 1	28. Frame 5 Slogans To Promote Healthy Food And Discourage Junk Food.
January 2025 (25 days)	Employability Skills- UNIT 5 Revision Project work completion, Project file completion	4 15	Model QP solving
February 2025 (8 days)	Revision Annual Exam Practical Exam / Internal Assessment	8	Model QP solving

Subject Teacher

Shilpa Agrawal

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – PHYSICAL EDUCATION

GRADE - XI

Name of the Book	Publisher
Candid – A Textbook of Physical Education	Evergreen Publications

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Unit 1 to 3 Project Topic 1	Unit 1 to 7 Project topic 2
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Unit 8 to 10 Project Topic 3	Unit 1 to 10 Project 4 (Whole Course)

Subject weightage - 6 periods per week & Practical 2 Periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
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April 2024 (16 days) Actual teaching days -12	Why should we study PE? - Employment opportunities for a PE student. Unit 1- Changing Trends and Career in Physical Education Revision Unit 2- Olympism Revision Game Allotment	2 5 1 5 1 1	Project: Career Options Activity: Ground marking Activity: Track and Field Events Volleyball skills Project: Olympic Symbols
June (9 days) Actual Teaching days 5	Why should we study PE? - Employment opportunities for a PE student. Unit 3 – Yoga Revision Project Topic 1 – PE File -Career in Sports and Physical Fitness world	2 5 1 1	Project: Surya Namaskar Activity: Yoga Posture Performance SAI- Khelo India Test
July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Physical Education and Sports for CSWN (Divyang) Revision Unit – 5 Physical Fitness- Health and Wellness	5 6 1 3	Project: Type of Disabilities Project: types of Disorders
August (19 days) Actual teaching days -16	Unit – 5 Physical Fitness- Health and Wellness Revision Unit 6 – Tests & Measurements, and Evaluation in Sports Revision Unit 7 - Fundamentals of Anatomy, Physiology in Sports	3 1 5 1 6	Project: Components of Physical Fitness Activity: Traditional and Local Games (File / PPT) Activity: Measurement of Health and related Fitness Major Project: Human Anatomy (PPT / Collage of Pictures/Visit to Hospital / Weekend internship in Hospital)
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Unit 7 - Fundamentals of Anatomy, Physiology in Sports Project topic 2 - Changes in playing surface, wearable gears, equipment and technological advancements. Revision Practical Exam / Internal Assessment Exam PT 2	8 2	Major Project: Human Anatomy (PPT / Collage of Pictures/Visit to Hospital / Model / Diagrams/ Design Quiz on various games and sports and sports persons/ Weekend internship in Hospital)
October (15 days) Actual teaching days -14	Unit 7 - Fundamentals of Anatomy, Physiology in Sports Unit 8 – Fundamentals of Kinesiology in Sports Unit 9 – Physiology in Sports Project Work – 3 (IOA Recognised Sports and games)	2 8 5	Project - Physiological Systems of Human Body Project: Types of Body Movements
November (16 days) Actual teaching days -12	Revision Unit 10 – Training and Doping in Sports Revision Exam PT 3	2 10 3	Activity: Problems of Adolescence Project: Sports Training Concepts

December (12 days)	PE Practical Practices Project work completion Project 4	12	Project: First Aid, Taking Injured Sportsperson out of Field - Practice Khelo India Test
January 2025 (25 days)	Revision Project Work IV (Conclusion, Awards and Games)	25	Project work: Organising opening and closing Ceremonies of Sports Events / Organising Award ceremonies) Project: First Aid to Injured Sportsperson
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Subject Teacher

THE MANGLAM SCHOOL
Syllabus Break-up for the Session 2024-25

Subject – BIOLOGY

GRADE - XI

Name of the Book	Publisher
Biology (for Class XI)	NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Lesson – 1 to 4	Lesson-1 to 10 Experiment part-A (1,3, 10,11,12,13) Experiment part-B (2,3)
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Lesson- 13 to 17	Lesson-1 to 21 Experiment Part A (4,5,6,9,7,8) Experiment Part B (4,5,6) (Whole Course)

Subject weightage - 6 periods per week & Practical 2 Periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Lesson- 1 - The living world	6	1. Worksheet based on ch.1, field trips to local parks or botanical gardens to observe and identify different species of plant. 2. Creating a classification chart or poster of living organisms based on their kingdom, phylum, class etc. 3. Setting up a mini herbarium with pressed plant specimens collected from the surroundings 4. Biodiversity Scavenger Hunt.
	Lesson- 2 - Biological classification	6	
	Lesson-3 - Plant Kingdom	2	

<p>June (9 days) Actual Teaching days 5</p>	<p>Lesson-3 - Plant Kingdom Lesson- 4 - Animal kingdom</p>	<p>3 5</p>	<p>5. Persuading students to visit a zoo (Van Vihar, Bhopal) or an aquarium (Fisheries deptt. HQ Bhopal) to observe and classify different animal species and prepare a study tour report. Alternatively, students will be persuaded to search virtual zoo or aquarium or various flora and fauna world over in various geographical regions over internet and prepare a Project Report. Tasks will be given to students to collect species of plants available in their surroundings and prepare project files. 6. Animal Diversity Gallery Walk: -Set up stations around the classroom, each representing a different animal group (mammals, reptiles, birds, etc.). -Students rotate through the stations, observing specimens, pictures, or models and ppt's. -They note down unique features and adaptations of each group.</p>
<p>July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10</p>	<p>Revision PT-1 PT 1 Exam Lesson-5 Morphology of flowering plants Lesson -6 Anatomy of flowering plants</p>	<p>5 6 4</p>	<p>7. Drawing and labeling the external morphology of various types of plants/analyzing the adaptation of different plant structures for specific functions. 8. conducting microscope - based experiments to study the internal structure of plant tissue 9. Plant Identification Walk: Take students to the school garden or nearby area. Identify and label different plant species based on their morphology. Discuss variations in leaf shape, stem type, and flower structure.</p>
<p>August (19 days) Actual teaching days -16</p>	<p>Lesson- 7 Structure organization in animals. Lesson-8 Cell-The unit of life. Lesson-9 Biomolecules Lesson-10 Cell cycle and cell division.</p>	<p>5 5 5 4</p>	<p>10. Comparing the anatomical features of different animal phyla through diagrams and models 8.3-D structure of plant cell and animal cell (PROJECT) /prepare a multimedia presentation on the history of cell discovery and the development of cell theory. 11. Create models of biomolecules such as proteins, carbohydrates and nucleic acid using edible materials 12. Art integrated activity based on stages of mitosis 13. onion root tip</p>
<p>September 11 days (Before half yearly -10 days. After half yearly -1 day)</p>	<p>Revision for PT 2 Practical Exam / Internal Assessment Exam PT 2 Review of progress made by students regarding projects, study papers given so far in the session.</p>	<p>10</p>	

October (15 days) Actual teaching days -14	Lesson-13 Photosynthesis in higher plants	6	14. Create a multimedia presentation on the process of photosynthesis and its significance in the ecosystem 15. Set up experiments to measure the rate of respiration in germinating seeds or plant tissues/Analyze the respiratory adaptations of plants in different environmental conditions. 16. Conduct experiments to investigate the effects of plant hormones on seed germination, root growth, and flowering.
	Lesson-14 Respiration in plants	6	
	Lesson-15 Plant growth and development	3	
November (16 days) Actual teaching days -12	Lesson-15 Plant growth and development.	3	17.Perform experiments to measure lung capacity and the rate of breathing under different conditions. Analyze the respiratory adaptations of aquatic and terrestrial organisms through case studies.
	Lesson-17 respiration in humans	6	
	Revision Exam PT 3	7	
December (12 days)	Lesson- 18 Circulation in human body	6	18.Conduct experiments to study blood pressure regulation and the function of the heart / create interactive diagrams illustrating the structure and function of the human circulatory system 19. Set up experiments to demonstrate the process of urine formation and kidney function. / Analyze the role of excretory organs in maintaining homeostasis in the body.
	Lesson-19 Excretion in human	6	
January 2025 (25 days)	Lesson- 20 Neural control and co-ordination	6	20. Organize a sports day with activities focusing on different types of movements performed by humans and animals. / Create models or diagrams illustrating the structure and function of muscles and skeletal systems. 21. Conduct experiments to demonstrate reflex actions and nerve conduction in animals. Create concept maps or flowcharts illustrating the organization of the nervous system and the transmission of nerve impulses. 22. Conduct surveys or interviews to investigate the effects of hormonal imbalances on human health and behavior. 23. Conduct research on various endocrine disorders like, Diabetes, Thyroid, Gigantism, Adrenal, Fatigue etc.
	Lesson-21 chemical co-ordination	6	
	Lesson-22 chemical co-ordination and integration	6	
	Revision for final exam	7	
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Subject Teacher

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – Mathematics

GRADE - XI

Name of the Book	Publisher
Mathematics for Grade 11	NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Chap 1 to 3	Chap 1 to 8
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Chap 1 to 10	Chap 1 to 14 (Whole Course)

Subject weightage - 6 periods per week & Practical 2 Periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual Teaching days -12	Chapter-1 Sets Chapter-2 Relations and Functions	5+2 9+3	<ul style="list-style-type: none">• Activity 1.1-To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n.• Activity 1.2- To represent set theoretic operations using Venn diagrams.• Activity 2.2- To identify a relation and a function.• Activity 2.3- To distinguish between a Relation and a Function.
June (9 days) Actual Teaching days 5	Chapter-3 Trigonometric Functions	9+2	<ul style="list-style-type: none">• Activity 3.1- To verify the relation between the degree measure and the radian measure of an angle.• Activity 3.2- To plot the graphs of $\sin x$, $\sin 2x$, $2\sin x$ and $\sin \frac{x}{2}$, using same coordinate axes.
July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Chapter-4 Complex Numbers and Quadratic Equations Chapter-5 Linear Inequalities	5 4 4	<ul style="list-style-type: none">• Activity 4.1- To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.• Activity 4.2- To obtain a quadratic function with the help of linear functions graphically.• Activity 5.1- To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0$, $a, b > 0$, $c < 0$ represents only one of the two half planes.

			<ul style="list-style-type: none"> • Activity 6.1- To find the number of ways in which three cards can be selected from the given five cards.
August (19 days) Actual teaching days -16	Chapter-6 Permutations and Combinations	5+2	<ul style="list-style-type: none"> • Activity 7.1- To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent. • Activity 8.1- To obtain formula for the sum of squares of first n natural numbers. • Activity 8.4- To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.
	Chapter-7 Binomial Theorem	4	
	Chapter-8 Sequences and Series	6+2	
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Revision Internal Assessment / Practical Examination Exam PT 2	10	
	Recapitulation- coordinate geometry of class X Review of Projects/ Practices / Experiments	1	
October (15 days) Actual teaching days -14	Chapter-9 Straight Lines	12+3	<ul style="list-style-type: none"> • Activity 9.1- To verify that the equation of a line passing through the point of intersection of two lines $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ is of the form $(a_1x + b_1y + c_1) = \mu(a_2x + b_2y + c_2) = 0$.
November (16 days) Actual teaching days -12	Chapter-10 Conic Sections Revision Exam PT 3	8+2 5	<ul style="list-style-type: none"> • Activity 10.1- To construct a parabola. • Activity 10.3- To construct an ellipse when two fixed points are given.
December (12 days)	Chapter-11 Introduction to Three-Dimensional Geometry	8+4	<ul style="list-style-type: none"> • Activity 11.1- To find analytically $\text{Lim } f(x) = \frac{x^2 - c^2}{x} - c$.
January 2025 (25 days)	Chapter-12 Limits and Derivatives	8+3	<ul style="list-style-type: none"> • Activity 12.1- To obtain truth values of compound statements of the type $p \vee q$ by using switch connections in parallel. • Activity 12.2- To obtain truth values of compound statements of the type $p \wedge q$ by using switch connections in series. • Activity 13.1- To write the sample space, when a die is rolled once, twice • Activity 7- To write the sample space, when a coin is tossed once, two times, three times, four times.
	Chapter-13 Statistics	5	
	Chapter-14 Probability	8	
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Subject Teacher

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – CHEMISTRY

GRADE - XI

Name of the Book	Publisher
Science	NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Chapter 1 to 3	Chapter 1 to 6.
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Chapter 7 & 8	Chapter 1-9 (Whole Course)

Subject weightage - 6 periods per week & Practical 2 Periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Ch 1 – Some Basic Concept of Chemistry Ch 2 – Structure of Atoms	6 6	Models of different atomic structures
June (9 days) Actual Teaching days 5	Ch 3 – Classification of elements and periodicity in properties	6	<ul style="list-style-type: none">● Elements magazine Project,● Periodic library Project● House of Elements Project
July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Ch 4 – Chemical Bonding and Molecular Structure	5 7	<ul style="list-style-type: none">● Electron structures of ionic compounds.● VSEPR Model Lewis symbols and structures
August (19 days) Actual teaching days -16	Ch 5 – Thermodynamics Ch 6 - Equilibrium	8 6	<ul style="list-style-type: none">● Applications in daily life concept-fossil-fueled steam power plants, jet engines. Concept mapping graph representation.
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Revision Internal Assessment / Practical Exam Review of Projects/ Practices / Experiments	8 1	

October (15 days) Actual teaching days -14	Ch 7– Redox Reaction Ch 8 – Organic Chemistry – Some Basic Principles and techniques	5 5	Redox reaction in aqueous solution of CuSO_4 when Zinc rod is placed in it. Chromatography- Separation techniques.
November (16 days) Actual teaching days -12	Ch 8 - Organic chemistry continued. Revision Exam PT 3	3 6	Structural representation of Organic compounds.
December (12 days)	Ch 9 – Hydrocarbons	7	Combustion of Alkanes, To observe how on completely getting oxidized to CO_2 & H_2O with the evolution of large amount of heat.
January 2025 (25 days)	Extra questions (NCERT+REFRESHER) Practical and Project review.	25	
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Subject Teacher

TMS 20204 25 Property

Subject weightage - Practical 2 Periods per week**Month Wise Syllabus**

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Ex-1: (a) Preparation of standard Na_2CO_3 Solution (b) Titration: Na_2CO_3 By HCl against standard Sodium carbonate solution.		To prepare a standard solution of Sodium carbonate.
June (9 days) Actual Teaching days 5	Ex-2: Preparation of Oxalic Acid To prepare standard solution of Oxalic Acid.		To prepare a standard solution of Oxalic acid.
July (15 days - Before PT1-5. After PT-1 - 10) Actual teaching days -10	Ex-3: Content Based Experiment (Anyone)		To measure pH of various solutions
August (19 days) Actual teaching days -16	Ex-4: Known Tests for Acid and Basic Radicals		To determine the acid and basic radical
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Ex-5: Salt Analysis (Unknown) Ex-6: Salt Analysis (Unknown)		To determine the acid and basic radical
October (15 days) Actual teaching days -14	Ex-7: Salt Analysis (Unknown)		To determine the acid and basic radical
November (16 days) Actual teaching days -12	Ex-8: Salt Analysis (Unknown)		To determine the acid and basic radical
December (12 days)	Ex-9: Salt Analysis (Unknown)		To determine the acid and basic radical
January 2025 (25 days)			
February 2025 (8 days)			

THE MANGLAM SCHOOL
Syllabus Break-up for the Session 2024-25

Subject – PHYSICS

GRADE - XI

Name of the Book	Publisher
Physics Part 1 and Part 2	NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Chapter 1 to 3	Chapter 1 to 7.
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Chapter 1 to 10	Chapter 1-14 (Whole Course)

Subject weightage - 6 periods per week & Practical 2 Periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Chapter: 1 Unit & Measurement Chapter: 2 Motion in Straight Line	8+2 4+1	1). To measure diameter of small spherical/cylindrical body & to measure internal diameter & depth of a given beaker. 2). To measure diameter of a given wire & thickness of a given sheet using Screw Gauge. 3). To determine volume of an irregular lamina using Screw Gauge.
June (9 days) Actual Teaching days 5	Revisions Chapter:3 Motion in Plane	01 07	4). To determine radius of curvature of a given spherical surface by a spherometer. 5). To find the weight of a given body using parallelogram law of vectors.
July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Chapter- 4 Force & Laws of Motion	5 8+2	6). To study the relationship between the force of limiting friction and normal reaction & to find the coefficient of friction.
August (19 days) Actual teaching days -16	Chapter- 5 Work, Energy & Power Chapter-6 System of Particles Chapter:7 Gravitations	5+2 4+1 5+1	Project-To allot project based on Law of Conservations 7). To find the downward force along an inclined plane, acting on a roller due to gravitational pull of Earth. 8). To study the relationship between force of limiting friction and normal reaction.

September 11 days (Before half yearly -10 days. After half yearly -1 day)	Revision Internal Assessment / Practical Exam Exam PT 2 Review of Projects/ Practices / Experiments	8 1	
October (15 days) Actual teaching days -14	Chapter- 8 Mechanical Property of solids Chapter- 9 Mechanical Property of Fluids	5+2 5+2	10). To find the force constant of a helical spring. 11). To study the elasticity of wire by using Young modulus. 12). To determine the coefficient of viscosity of a given viscous liquids.
November (16 days) Actual teaching days -12	Chap. 10 Thermal Property Of matter Revision Exam PT 3	6+2 7	Discussion on investigatory projects and models.
December (12 days)	Chap. 11 Thermodynamics	8+2	13. Newton's law of cooling
January 2025 (25 days)	Chap. 12 Kinetic Theory Chap. 13 Oscillations Chap. 14 Waves	6+2=8 6+2= 8 6+2=8	14). Using a simple pendulum plot $L - T^2$ graph & use it to find effective length of second pendulum. 15). To study variations of time period of a simple pendulum of a given length by taking bob's of same sign but different masses 16). To study the relationship between frequency & length of a given wire under constant tension using a sonometer.
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Subject Teacher

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – Accountancy

GRADE - XI

Name of the Book	Publisher
Double Entry Bookkeeping	TS Grewal NCERT
Financial Accounting	TS Grewal NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Chapter 1 to 5	Chapter 1 to 12 & 16
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Chapter 13-15 & 18	Chapter 1 to 19 (Whole Course)

Subject weightage - 12 periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Ch. 1 – Introduction to Accounting Ch. 2 – Basic Accounting Terms Ch. 3 – Theory Base of Accounting, Accounting Standards	7 10 7	Ch. 1 to 4 - Accounting Antonyms through link Find the basic accounting terms- the puzzle through link. Accounting Principles and Concepts through link Quiz and Project practice of accounting terms. Ch. 3 - Prepare a file on Accounting terms and their meaning and significance.
June (9 days) Actual Teaching days 5	Ch. 4 – Bases of Accounting Ch. 5 – Accounting Equation	4 6	Ch-5 - Prepare an Accounting Equation for any 10 transactions of your choice.
July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Ch. 6 – Accounting Procedures – Rules of Debit and Credit Ch 7 – Origin of transactions. Chapter 8 -Journal	10 7 5 8	Ch. 6 - Nature of Accounts through link. Ch. 6 - Rules of Dr. and Cr. through link Ch-7 Discuss common source documents and vouchers with their specimen. Ch-8 & 9 Prepare a PPT of your books of accounts and make 10 Journal entries of 7 different dates and months and post those into the ledger

August (19 days) Actual teaching days -16	Chapter 9 – Ledger Ch. 10 – Special Purpose Books I – Cash Book Ch. 11 – Special Purpose Books II – Other Books Ch. 12 – Accounting of Goods and Services Tax (GST)	9 9 9 5	Ch-9&10 Prepare a cash book with 15 entries and post those into ledger. Ch-10 & 11 Check your understanding of Special Purpose Book through the link.
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Ch. 12 – Accounting of Goods and Services Tax (GST) Chapter – 16 – Provisions and reserves Revision Internal Assessment / Practical Exam Exam PT 2 Review of Projects/ Practices / Experiments / Discussion on Question paper.	4 6 10 1	Ch-12 GST based MCQ's Quiz through link. Ch-16 Prepare a chart/file on the topic 'Provisions and Reserve'. Ch-16 Update your books of accounts with entries about provisions and reserves for salary due, EPF due, Electricity bills payable and maintenance expenses likely to occur. Update your books of accounts with entries about provisions and reserves for salary due, EPF due, Electricity bills payable and maintenance expenses likely to occur.
October (15 days) Actual teaching days -14	Ch. 13 – Bank Reconciliation Statement Ch. 14 – Trial Balance Ch. 15 – Depreciation	9 7 12	Ch-13 Study and enrich your books of accounts with 20 more entries of various types and make BRS. Ch-13 Fill ups on BRS through link. Ch-14 Understand the rules of Debit vs Credit in trial balance through link. Ch-14 & 15 Make entries in your books of account of the depreciation of building, computer, vehicle. Prepare a sample / model trial balance out of entries so far you have done in your books of accounts. Prepare a Trial Balance true/false through link.
November (16 days) Actual teaching days -12	Chapter 15 – Depreciation Chapter 18 – Financial Statement of Proprietorship (Balance Sheet) Revision Exam PT 3	4 12 6	Ch-18 Study and enrich your books of accounts with 20 more entries of various types and make Financial Statement Prepare and finalise your books of accounts; Procure a sample balance sheet and Trail balance; Procure dummy books of accounts of a business and compare your books of accounts with the dummy ones. Identify the type of expenditure through the link. Solve the puzzle of final account through the link.
December (12 days)	Quick Revision Of lessons learnt so far. Ch. 19 – Adjustments in Preparation of Financial Stat.	6 18	Check your understanding (quiz) through the link. Final Account true/false through the link. Do an internship with local shop for two weeks in the month and prepare a report to be put up after winter vacation.

January 2025 (25 days)	Chapter 17 - Rectification of errors Presentation and question answer sessions with fellow students. Revision	10 25 15	Identify types of error through link. Study and enrich your books of accounts with 20 more entries of various types and make various books of accounts, BRS and Financial Statement.
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	15	Model QP solving

Activities: <https://commerceatease.com/learning-games-and-activities-inaccountancy-class-11/>

Subject Teacher

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – Business Studies

GRADE - XI

Name of the Book	Publisher
Business Studies	Poonam Gandhi NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Chapter 1 to 2	Chapter 1 to 6
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Chapter 7 to 9	Chapter 1 to 11 (Whole Course)

Subject weightage - 6 periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Ch. 1 Business, Trade & Commerce Ch. 2 – Forms of Business Organisation	8 4	Ch-1 Visit any business unit in your locality. Interact with the owner to find out the steps in starting the business. Prepare a project report for your visit. Ch-2 MCQ based Quiz on forms of Business Organisation through link.
June (9 days) Actual Teaching days 5	Ch. 2 – Forms of Business Organisation	5	Ch-2 Select any one of your favourite forms of Business organisation (Sole Proprietorship/Partnership/ Joint Hindu Family/Company) and prepare a detailed project on it. (E.g. Tata Motors, Mahindra & Mahindra Limited, or any other sole proprietorship business of your locality).

July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1 Ch. 3 – Private, Public and Global Enterprises Ch. 4 – Business Services	5 9 1	Drag together to make pair of business services through the link. MCQ based quiz on emerging modes of business through link. Ch-3 Select any one enterprise (Public/Global) of your choice and make a detailed project on it. (E.g. Railways, State Bank of India, Amazon etc.)
August (19 days) Actual teaching days -16	Ch. 4 – Business Services Ch. 5 – Emerging modes of Business Ch. 6 – Social Responsibilities of Business and Business Ethics	6 7 3	Drag together to make pair of social responsibilities of Business through link. Ch-4 Make a Survey in your nearby market and find out the different types of business services they use in their business and prepare a file of it Ch-5 Prepare a PPT presentation on B2B, B2C and C2C Commerce and discuss it in the class.
September 11 days (Before half yearly -10 days. After half yearly -1 day)	Ch. 6 – Social Responsibilities of Business and Business Ethics. Revision Internal Assessment / Practical Exam Exam PT 2 Review of Projects/ Practices / Experiments / Discussion on Question Paper.	4 6 1	Prepare a PPT on Memorandum of Association and Article of Association Ch-6 Run an awareness campaign regarding social responsibilities of business in your nearby market and make a report of it.
October (15 days) Actual teaching days -14	Ch. 7 – Formation of a Company Chapter 8 – Sources of business finance	6 8	Ch-7 Prepare a Project file on Memorandum of Association and Article of Association of company. Ch-8 MCQ based quiz on different sources of business finance through link. True / False on Sources of Business Finance through link
November (16 days) Actual teaching days -12	Chapter 9 – Small business and entrepreneurship Revision Exam PT 3	8 4	Ch-9 Collect all the information and make PPT on the schemes, government has launched for small business and enterprises and present it in the class. Quiz on small business through the link.
December (12 days)	Ch. 10 – Internal Trade	12	Ch. 10 - Make a Chart on Retail Trade and its Type.
January 2025 (25 days)	Ch. 11 – International Business. REVISION	14 11	Ch. 11 - Collect all the information regarding WTO, make a project / PPT and present it in the class.
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Activities: <https://commerceatease.com/learning-games-and-activities-inbusiness-studies-class-11/>

Subject Teacher

THE MANGLAM SCHOOL

Syllabus Break-up for the Session 2024-25

Subject – ECONOMICS

GRADE - XI

Name of the Book	Publisher
Statistics for Economics	NCERT
Introductory Microeconomics	NCERT

Term Wise Syllabus

Assessment	Periodic Test 1 (July)	Periodic Test 2 (Sept)
Term 1 (April to September)	Statistics: L 1 & 2 Microeconomics: L 1 & 2	Statistics: L 1 to 3 Economics: L 1 to 3
Assessment	Periodic Test 3 (Nov)	Annual Exam (Feb - March)
Term 2 (October to February)	Statistics L 1 to 6 Microeconomics L 1 to 5	Statistics- L 1 to 9 Microeconomics: L 1 to 6 (Whole course)

Subject weightage - 6 periods per week

Month Wise Syllabus

Month	Chapters	No. of periods	Activity / Project / SEA / Practical / Practice / Lab Work / Field Work
April 2024 (16 days) Actual teaching days -12	Microeconomics - L 1	3	Discussion on the need to study Microeconomics. Write a report on any one firm and prepare a presentation on it. Article writing How statistics is applied in daily life.
	Introduction	3	
	Statistics - L1 Introduction	3	
	Microeconomics L 2	5	
June (9 days) Actual Teaching days 5	Theory of Consumer behavior		Prepare a PPT on any situation that justifies the title of the lesson. Make a project file on collection of data.
	Statistics L-2 Collection of Data	5	
July (15 days - Before PT1- 5; After PT-1 - 10) Actual teaching days -10	Revision Exam PT 1	5	Prepare a PPT on Production function, concept of Cost and concept of Revenue. Write a letter to the owner of the cup factory explaining the concept of diminishing returns and then offer suggestions on how to improve the productivity of the additional workers hired. Discussion on need of Organisation of data.
	Microeconomics L 3	6	
	Production & Costs		
	Statistics L-3 – Organisation of Data	4	
August (19 days) Actual teaching days -16	Statistics L-3 – Organisation of Data	4	Organise the data of a model organisation (Teacher to suggest 5 typical organisation and guide students on the data requirement of those organisation) Make a PPT / Transparent sheets / Board sheets on various types and methods on presentation of data / make charts, graphs, bar charts, Pie charts, Stacked bar and photo collage on presentation of data.
	Statistics L -4 – Presentation of data	10	

September 11 days (Before half yearly -10 days. After half yearly -1 day)	Revision Internal Assessment / Practical Exam Exam PT 2 Review of Projects/ Practices / Experiments / Discussion on Question paper.	10 1	Completion of all projects and presentations.
October (15 days) Actual teaching days -14	Microeconomics: L 4 Theory of firm under perfect competition Statistics L 5 - Measures of central tendency Statistics L 6 - Measures of Dispersion	5 4 4	Make a report on any one firm. Make a file of measures of central tendency (Internal Assessment) Chart Making
November (16 days) Actual teaching days -12	Microeconomics L 5 - Market Equilibrium Statistics L 7 - Correlation Revision Exam PT 3	4 3 5	Make a presentation on various types of markets. Write about Karl Pearson.
December (12 days)	Microeconomics L 6 Noncompetitive Markets Statistics L 8 Index Number Revision & Practice PT 3	6 4 2	Collage making on all the factors of Non - Competitive Markets. Prepare a file on Index Number
January 2025 (25 days)	Statistics L-9 - Use of statistical tools Revision	5 20	Discussion on the need of statistical tools while studying statistics.
February 2025 (8 days)	Revision Practical Exam / Internal Assessment Annual Exam	8	Model QP solving

Reference: https://diksha.gov.in/play/collection/do_31310347532020121611421?referrer=utm_source%3Dmobile%26utm_campaign%3Dshare_content

https://diksha.gov.in/play/collection/do_31310347542798336011098?referrer=utm_source%3Dmobile%26utm_campaign%3Dshare_content

Subject Teacher