

**NOIDA PUBLIC SCHOOL  
A-78, SECTOR 23, NOIDA**

**ANNUAL SYLLABUS (2025-26)  
CLASS – XI SCIENCE**

<b>MONTH</b>	<b>SUBJECT : MATHEMATICS MONTHWISE SYLLABUS</b>	<b>NO. OF EXPECTED PERIODS</b>
APRIL	Ch 1 Sets Ch 2 Relation and functions	32
MAY	Ch 4 Complex numbers and quadratic equations	20
JULY	Ch 1 Sets Ch 2 Relation and function Ch3.Trigonometric functions Activity 1: Differentiate between Relations and functions.	34
<b>UT-1 : Ch 1,2,4</b>		
AUGUST	Ch 3 Trigonometry functions Ch 4 Complex numbers and Quadratic equations Activity 2: Trigonometry ratios for different angles	20
SEPTEMBER	Ch 5 Linear inequalities Ch 6 Permutations and Combinations Activity 3: Graphical solutions of linear inequalities in two variables. Activity 4: To interpret geometrically the meaning of $i$ .	18
<b>HALF YEARLY EXAMINATION : Ch - 1,2,3,4,5&amp; 6</b>		
OCTOBER	Ch 7 Binomial theorem Ch 8 Sequence and series	26
NOVEMBER	Ch 9 Straight lines Ch 10 Conic section Activity 5: Sum of n terms of special series using cubes. Activity 6: Parabola construction by alternative method.	30
<b>UT-2 : Unit test II Ch 8,9 &amp;10</b>		
DECEMBER	Ch 11 Introduction to three Dimensional geometry	28

	Ch 12 limits and Derivatives Activity 7: Geometrical significance of Derivatives. Activity 8: Co ordinates of a point in space.	
JANUARY	Ch 13 Statistics Ch 14 Probability Lab manual file submission last date 12/01/2026.	26
FEBRUARY	Recapitulation of trigonometry functions, conic Section, sequence and series and Derivatives.	
MARCH	Annual examination	
<b>ANNUAL EXAMINATION : Full syllabus</b>		

MONTH	SUBJECT : CHEMISTRY MONTHWISE SYLLABUS	NO. OF EXPECTED PERIODS
APRIL	Chapter 1. Some Basic Concepts of Chemistry Practical work – Lab Introduction	
MAY	Chapter 2. Structure of Atom (Till Bor's Model) Practical work :- Preparation of solution	
JULY	Chapter 2. Structure of Atom Chapter 3. Classification of Elements and Periodicity in Properties	
<b>PT-1 / UT-1 :Chapter 1</b>		
AUGUST	Chapter 4:- Chemical Bonding and Molecular Structure Practical work :- Volumetric Analysis	
SEPTEMBER	Chapter 5:- Chemical Thermodynamics Chapter 6:- Equilibrium	
<b>HALF YEARLY EXAMINATION : Chapter 1,2,3,4,5</b>		
OCTOBER	Chapter 6:- Equilibrium Chapter 7 :- Redox Reactions Practical work :- Salt Analysis	
NOVEMBER	Chapter 8 :- Organic Chemistry : Some basic Principles and Techniques Practical Work :- Functional Group test	

<b>PT-2 / UT-2 : Chapter 7 &amp; 8</b>		
DECEMBER	Chapter 9:- Hydrocarbons	
JANUARY	Revision Chapter 1,2,3,4	
FEBRUARY	Revision 5,6,7,8,9	
MARCH	Annual Examination	
<b>ANNUAL EXAMINATION :- Complete syllabus</b>		

MONTH	SUBJECT : COMPUTER SCIENCE MONTHWISE SYLLABUS	NO. OF EXPECTED PERIODS
APRIL	Ch -1 Computer System Overview Ch -5 Introduction to Problem Solving	20
MAY	May: Ch -6 Getting Started with Python	20
JULY	Ch -7 Python Fundamentals Ch -2 Data Representation Ch -3 Boolean Logic  Practicals: Operators Multiple Assignment Statement Dynamic Typing Input() function Print() function Sequential Control flow Conditional Control flow	33
<b>PT-1 / UT-1 : Unit Test -1 ch-1,5,6</b>		
AUGUST	Ch-8 Data Handling Ch-9 Flow of control	31

	Practicals: Looping	
SEPTEMBER	September: Recapitulation–Ch-1,2,3,5,6,7,8,9	20
<b>HALF YEARLY EXAMINATION : Ch-1,2,3,5,6,7,8,9</b>		
OCTOBER	Ch-10 String Manipulation Ch-11List Manipulation  Practicals: String and List functions based programs	20
NOVEMBER	Ch-12 Tuples Ch-13 Dictionaries Practicals: Tuples and Dictionaries functions based programs	27
<b>PT-2 / UT-2 : Unit Test II- Ch-10,11</b>		
DECEMBER	Ch-14 Cyber Safety Ch-15 Online Access and Computer Security Practicals: Revision	30
JANUARY	Ch-16 Society, Law, and Ethics Recapitulation – (Full Syllabus)	18
FEBRUARY	Recapitulation – (Full Syllabus)	
MARCH		
<b>ANNUAL EXAMINATION Ch-1,2,3,5,6,7,8,9,10,11,12,13,14,15,16</b>		

**SUBJECT : English Core**

MONTH	MONTHWISE SYLLABUS	NO. OF EXPECTED PERIODS
APRIL	Unseen Passage Tenses Classified Advertisements Hornbill: Ch.The Portrait of a Lady Poem: Aphotograph	25-30
MAY	Unseen Passage Reordering of sentences Classifieds Snapshots: Ch. The Summer of the White Beautiful Horse	12-15
JULY	Unseen Passage Revision of Tenses Practice of Reordering Revision of Classifieds Hornbill: Ch. The Portrait of a Lady (Revision) Poem: A Photograph (Revision) Snapshots; The Summer of the white beautiful....(Revision)	20-25
UT-1 Comprehension Hornbill: The Portrait of a lady A Photograph (Poem) Snapshots: Summer of the White beautiful.... Grammar: Gap Filling, Reordering Writing: Classifieds		
AUGUST	Unseen Passage Transformation of sentences Poster designing Hornbill: Ch.2. We're not afraid..... Ch3. Discovering Tut Saga continues	30

	Poem2. Laburnum Top Snapshots: Ch.2. The address	
SEPTEMBER		
Half Yearly: Unseen passage Trasformation of sentences Poster designing Hornbill: Ch.2 We're not afraid to die Ch.3 Discovering Tut Poem 2 Laburnum Top Snapshots: The Address ASL		
OCTOBER	Unseen Passage Direct Indirect Speech Speech Writing Hornbill Ch.4 The Adventure Poem3. The voice of rain Snapshots: Ch. 3 Mother's Day	25-30
NOVEMBER	Note Making and Summarizing Clauses Debate Writing Hornbill: Ch.4 Silk Road Poem \$. The Childhood Snapshots: Ch4. Birth UT-2 Note making Active Passive Speech Writing Hornbill: Ch.4 The adventure Poem 3 The voice of Rain Snapshots: Mother's Day	20-25
DECEMBER	Note Making and summarizing Determiners Debate Writing Hornbill: Poem 5 Snapshots: Tale of Melon City	
JANUARY	Revision of whole syllabus	20-25
FEBRUARY	FINAL TERM: Revision of whole syllabus	20-25

MONTH	<b>SUBJECT : BIOLOGY</b> <b>MONTHWISE SYLLABUS</b>	<b>NO. OF EXPECTED PERIODS</b>
APRIL	CHAP 1; The Living World Practical- To study parts of a compound microscope	
MAY	CHAP 2; Biological Classification  CHAP 3; Plant Kingdom Practical -Preparation and study of T.S. of dicot and monocot roots and stems.	
JULY	CHAP 4; Animal Kingdom  CHAP5; Morphology of flowering Plants CHAP 6; Anatomy of Flowering Plants Practical-Study of distribution of stomata on the upper and lower surfaces of leaves.	
<b>UT-1 : Ch.1 The living world , Ch.2 Biological Classification</b>		
AUGUST	CHAP 7: Structural Organization in animals CHAP 8; Cell, The unit of life CHAP 9; Biomolecules Practical-Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.	
SEPTEMBER	CHAP10: Cell Cycle and cell division  CHAP 11: Photosynthesis in higher plants CHAP 12: Respiration in plants  Practical-Separation of plant pigments through paper chromatography	
<b>HALF YEARLY EXAMINATION : Ch 1-10</b>		
OCTOBER	CHP 13; Plants growth and development CHP 14; Breathing and exchange of gases Practical-Different types of inflorescence (cymose and racemose).	
NOVEMBER	CHAP 15; Body fluids and Circulation  CHAP 16: Excretory Product and elimination CHAP 17: Locomotion and movement.	
<b>UT-2 : Ch 11 andch.12</b>		
DECEMBER	CHAP 18: Neural control and coordination CHAP 19: Chemical coordination and integration	
JANUARY	REVISION	
FEBRUARY	REVISION	
MARCH	REVISION	
<b>ANNUAL EXAMINATION- Full syllabus</b>		

MONTH	<b>SUBJECT : PHYSICS</b> <b>MONTHWISE SYLLABUS</b>	<b>NO. OF EXPECTED PERIODS</b>
APRIL	Topic Differentiation Topic Integration Topic Vectors	32
MAY	Topic Vectors  Chapter 2. Motion in a Straight line	20
JULY	Chapter 1. Units and Measurements Chapter 2. Motion in a Straight line Chapter 3. Motion in a Plane Practical work :- 1. To measure the diameter of a small spherical/cylindrical body using Vernier callipers. 2. To measure the diameter of a given wire using a screw gauge.	34
<b>UT-1 : Chapter 1 and 2</b>		
AUGUST	Chapter 4. Laws of Motion Chapter 5. Work, Energy and Power Chapter 6. System of Particles & Rotational Motion Practical work :- 1. To determine radius of curvature of a given spherical surface by a spherometer.	20
SEPTEMBER	Chapter 6. System of Particles & Rotational Motion Practical work :- 1. To determine the mass of a given body using a meter scale by the principle of moments.	18
<b>HALF YEARLY EXAMINATION : Chapter 1,2,3,4,5</b>		
OCTOBER	Chapter 7. Gravitation Chapter 8. Mechanical Properties of Solids Chapter 9. Mechanical Properties of Fluids Practical work :- 1. To find the force constant of a helical spring by plotting a graph between load and extension.	26
NOVEMBER	Chapter 9. Mechanical Properties of Fluids Chapter 10. Mechanical Properties of Matter Chapter 11. Thermodynamics Practical Work :-1. To determine the mass of two different objects using a beam balance.	30
<b>UT-2 : Unit test II Chapter 6 and 7</b>		
DECEMBER	Chapter 12. Kinetic Theory of Gases Chapter 13. Oscillations	28



	Practical Work :- 1. Using a simple pendulum, plot L-T and L-T <sup>2</sup> graphs. Hence find the effective length of a second's pendulum using an appropriate graph.	
JANUARY	Chapter 14. Waves Lab manual file submission last date 12/01/2026. Revision	26
FEBRUARY	Revision	
MARCH	Annual examination	
<b>ANNUAL EXAMINATION : Full Syllabus</b>		

<b>SUBJECT – PHYSICAL EDUCATION</b>		
<b>MONTH</b>	<b>MONTHWISE SYLLABUS</b>	<b>NO. OF EXPECTED PERIODS</b>
APRIL	<p>Unit-1 Changing trends &amp; career in physical education. Activity-1: Take part in any form of physical activity for one week (the activity can be any sports, simple jogging/walking, recreational activity, adventure sports etc.). After a week fill the table given below.</p> <ul style="list-style-type: none"> <li>• Name of the Activity.</li> <li>• What motivated you to choose this activity?</li> <li>• How do you feel after participating in this activity?</li> <li>• Would you like to continue participation in this activity?</li> <li>• If your response to the above question is 'Yes' or 'No' give a possible reason.</li> </ul>	36
MAY	<p>Unit-2 Olympic value education. Activity-1: You read about some athletes who embody Olympic values. Working in groups find out about other such athletes and make a presentation in class. Activity-2: Each Olympic Games has its own medal design. From 1928-2004, the front side of every Olympic Games medal carried an image of Nike, the Greek goddess of victory, the Olympic Rings, the Coliseum of ancient Athens, a Greek vase known as an amphora, a horse-drawn chariot, and the year, number of the Olympiad, and host city. However, a new design was created for</p>	20

	the 2004 Games, which featured the Greek Panathenaic Stadium and a new image of Nike. Each host city has allowed to add special details to the other side that is to the Games.	
JULY	Ch- 3 Yoga	
AUGUST	<p>Unit-4 Physical Education And Sports For CWSN (Children With Special Needs- Divyang)</p> <p>Activity:- Find out about Indian athletes who have won medals at the Paralympics and the Special Olympics. What disability did they suffer from? In which game did they win the medal?</p> <p>Unit-5 Physical fitness, Health &amp; Wellness.</p> <p>Activity:- Discuss what you have learnt and share your views with the class about the qualities of a successful Captain.</p>	36
SEPTEMBER	<p>Unit- 6 Test, Measurement &amp; Evaluation.</p> <p>Activity:- Record the height and weight of all students in your class.</p> <ul style="list-style-type: none"> <li>Find the BMI by applying formula.</li> <li>Find the Waist Hip Ratio using the given formula.</li> </ul> <p>Practical:- SAI khelo India physical fitness test</p> <p>Project file submission</p>	30
Half Yearly Exam - UNIT-1, 2, 3, 4,5,6		
OCTOBER	Unit-7 Fundamentals of Anatomy & Physiology in sports.	20
NOVEMBER	Unit-8 Fundamentals of Kinesiology & Biomechanics in sports.	20
DECEMBER	<p>Unit:9 Psychology And Sports.</p> <p>Activity:- Which of your personality trait would you never want to change and which one would you like to change and why? Discuss with your friends.</p>	27
JANUARY	<p>Unit-10 Training &amp; Doping in Sports.</p> <p>Activity:- Make a chart of the physical method of Doping &amp; their side effect.</p>	24
FEBRUARY	<p>Recapitulation: Unit- 1 ,3 5,7,8.</p> <p>Practical . Life style disease &amp; their preventive Asanas.</p>	18
ANNUAL EXAMINATION : Whole Syllabus		