



DELHI PUBLIC SCHOOL

Steel Township, Rourkela

(Under the aegis of the Delhi Public School Society, New Delhi)



SPLIT-UP SYLLABUS 2026-2027

CLASS - XI



SCIENCE STREAM

SCIENCE STREAM(CLASS-XI)

| DELHI PUBLIC SCHOOL STEEL TOWNSHIP, ROURKELA | | |
|---|--------------------------------|---|
| ACADEMIC SESSION - 2026-2027 | | |
| CLASS: | XI | |
| SUBJECT: | ENGLISH CORE | |
| MONTH | NO. OF WORKING DAYS | TOPICS TO BE COVERED |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | <ul style="list-style-type: none">• ADVERTISEMENTS (CLASSIFIED) |
| JULY, 2026 | 22 | <ul style="list-style-type: none">• THE PORTRAIT OF A LADY• THE SUMMER OF THE BEAUTIFUL WHITE HORSE• A PHOTOGRAPH• NOTE MAKING AND SUMMARIZATION |
| AUGUST, 2026 | 21 | <ul style="list-style-type: none">• WE'RE NOT AFRAID TO DIE.. IF WE CAN ALL BE TOGETHER• THE ADDRESS• THE LABURNUM TOP• INTEGRATED GRAMMAR |
| SEPTEMBER, 2026 | 16 | <ul style="list-style-type: none">• MOTHER'S DAY• THE VOICE OF RAIN• SPEECH WRITING• POSTER DESIGNING |
| OCTOBER, 2026 | 5 | <ul style="list-style-type: none">• THE ADVENTURE• SILK ROAD (PROJECT)• THE TALE OF MELON CITY (PROJECT) |
| NOVEMBER, 2026 | 16 | <ul style="list-style-type: none">• BIRTH• CHILDHOOD• INTEGRATED GRAMMAR |
| DECEMBER, 2026 | 15 | <ul style="list-style-type: none">• FATHER TO SON• INTEGRATED GRAMMAR |
| JANUARY, 2027 | 20 | <ul style="list-style-type: none">• DISCOVERING TUT: THE SAGA CONTINUES (ASL)• DEBATE WRITING |
| FEBRUARY, 2027 | 11 | <ul style="list-style-type: none">• REVISION |

**DELHI PUBLIC SCHOOL
STEEL TOWNSHIP, ROURKELA**

ACADEMIC SESSION - 2026-2027

| | | |
|---------------------|---------------------------------------|---|
| CLASS: | | XI |
| SUBJECT: | | CHEMISTRY |
| <i>MONTH</i> | <i>NO. OF WORKING DAYS</i> | <i>TOPICS TO BE COVERED</i> |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | CHAPTER 1: BASIC CONCEPTS OF CHEMISTRY |
| JULY, 2026 | 22 | CHAPTER 2: STRUCTURE OF ATOM CHAPTER 3: CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES |
| AUGUST, 2026 | 21 | CHAPTER 4: CHEMICAL BONDING AND MOLECULAR STRUCTURE CHAPTER 7: REDOX REACTION |
| SEPTEMBER, 2026 | 16 | CHAPTER 7: REDOX REACTION (Contd...) CHAPTER 5: CHEMICAL THERMODYNAMICS |
| OCTOBER, 2026 | 5 | CHAPTER 5: CHEMICAL THERMODYNAMICS (Contd...) |
| NOVEMBER, 2026 | 16 | CHAPTER 6: EQUILIBRIUM |
| DECEMBER, 2026 | 15 | CHAPTER 8: GENERAL ORGANIC CHEMISTRY |
| JANUARY, 2027 | 20 | CHAPTER 9: HYDROCARBONS |
| FEBRUARY, 2027 | 11 | REVISION |

**DELHI PUBLIC SCHOOL
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ACADEMIC SESSION - 2026-2027

| CLASS: | | XI |
|-----------------|----------------------------|---|
| SUBJECT: | | PHYSICS |
| MONTH | NO. OF WORKING DAYS | TOPICS TO BE COVERED |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | CHAPTER 2: Units and Measurements CHAPTER 3: Motion in a straight line |
| JULY, 2026 | 22 | CHAPTER 4: Motion in a Plane CHAPTER 5: Laws of Motion |
| AUGUST, 2026 | 21 | CHAPTER 6: Work, Energy and Power CHAPTER 7: System of Particles and Rotational Motion |
| SEPTEMBER, 2026 | 16 | CHAPTER 8: Gravitation CHAPTER 9: Mechanical Properties of Solids |
| OCTOBER, 2026 | 5 | CHAPTER 10: Mechanical Properties of Fluids |
| NOVEMBER, 2026 | 16 | CHAPTER 11: Thermal properties of matter CHAPTER 12: Thermodynamics |
| DECEMBER, 2026 | 15 | CHAPTER 13: Kinetic theory of gases CHAPTER 14: Oscillations |
| JANUARY, 2027 | 20 | CHAPTER 15: Waves |
| FEBRUARY, 2027 | 11 | REVISION |

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ACADEMIC SESSION - 2026-2027

| | | |
|---------------------|---------------------------------------|--|
| CLASS: | | XI |
| SUBJECT: | | BIOLOGY |
| <i>MONTH</i> | <i>NO. OF WORKING DAYS</i> | <i>TOPICS TO BE COVERED</i> |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | CHAPTER 1: THE LIVING WORLD, CHAPTER 8: CELL – THE UNIT OF LIFE |
| JULY, 2026 | 22 | CHAPTER 2: BIOLOGICAL CLASSIFICATION CHAPTER 9: BIOMOLECULES |
| AUGUST, 2026 | 21 | CHAPTER 3: PLANT KINGDOM CHAPTER 5: MORPHOLOGY OF FLOWERING PLANTS CHAPTER 6: ANATOMY OF FLOWERING PLANTS CHAPTER 11: PHOTOSYNTHESIS IN HIGHER PLANTS |
| SEPTEMBER, 2026 | 16 | CHAPTER 12: RESPIRATION IN PLANTS CHAPTER 13: PLANT GROWTH AND DEVELOPMENT CHAPTER 17: LOCOMOTION AND MOVEMENT |
| OCTOBER, 2026 | 5 | CHAPTER 10: CELL CYCLE AND CELL DIVISION |
| NOVEMBER, 2026 | 16 | CHAPTER 14: BREATHING AND EXCHANGE OF GASES, CHAPTER -15: BODY FLUIDS AND CIRCULATION, CHAPTER -16: EXCRETORY PRODUCTS AND THEIR ELIMINATION |
| DECEMBER, 2026 | 15 | CHAPTER 18: NEURAL CONTROL AND COORDINATION, CHAPTER -19: CHEMICAL CONTROL AND INTEGRATION |
| JANUARY, 2027 | 20 | CHAPTER 4: ANIMAL KINGDOM |
| FEBRUARY, 2027 | 11 | CHAPTER 7: STRUCTURAL ORGANISATION IN ANIMALS |

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ACADEMIC SESSION - 2026-2027

| | | |
|-----------------|--------------------------------|---|
| CLASS: | | XI |
| SUBJECT: | | MATHEMATICS (041) |
| MONTH | NO. OF WORKING DAYS | TOPICS TO BE COVERED |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | 1. SET THEORY |
| JULY, 2026 | 22 | 1. RELATIONS & FUNCTIONS(10days) 2. TRIGONOMETRIC FUNCTIONS(12 days) |
| AUGUST, 2026 | 21 | 1. TRIGONOMETRIC FUNCTIONS CONT....(5 days) 2. COMPLEX NUMBERS(9 days) 3. LINEAR INEQUALITIES(7 days) |
| SEPTEMBER, 2026 | 16 | 1. PERMUTATIONS & COMBINATIONS (8days) 2. BINOMIAL THEOREM (8days) |
| OCTOBER, 2026 | 5 | 1. BINOMIAL THEOREM CONT...(5 days) |
| NOVEMBER, 2026 | 16 | 1. SEQUENCES AND SERIES. (10days) 2. STRAIGHT LINES(6days) |
| DECEMBER, 2026 | 15 | 1. STRAIGHT LINES CONTD...(4days) 2. CONIC SECTIONS(11 days) |
| JANUARY, 2027 | 20 | 1. INTRODUCTION TO THREE 2. DIMENSIONAL GEOMETRY(5days) 3. LIMITS AND DERIVATIVES(15 DAYS) |
| FEBRUARY, 2027 | 11 | 1. STATISTICS(05 DAYS) 2. PROBABILITY(06 DAYS) |

DELHI PUBLIC SCHOOL STEEL TOWNSHIP, ROURKELA

ACADEMIC SESSION - 2026-2027

| CLASS: | | XI |
|-----------------|----------------------------|---|
| SUBJECT: | | Artificial Intelligence (Part A - Employability Skills Part B-Subject Specific Skills) |
| <i>MONTH</i> | <i>NO. OF WORKING DAYS</i> | <i>TOPICS TO BE COVERED</i> |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | Part B - Introduction AI for Everyone |
| JULY, 2026 | 22 | Part B Unlocking your future in AI Part A - Unit 1,Unit 2 |
| AUGUST, 2026 | 21 | Part A - Capstone Project , Data Literacy to Data Analysis |
| SEPTEMBER, 2026 | 16 | Part A-Data Literacy to Data Analysis, Introduction to Python Programming Part B - Unit 1,Unit 2 |
| OCTOBER, 2026 | 5 | Part A - Python Programming |
| NOVEMBER, 2026 | 16 | Part B - Unit 4 Part A - Python Programming , Machine Learning Algorithms |
| DECEMBER, 2026 | 15 | Part B - Unit 5 Part A - Python Programming, Leveraging Linguistics and Computer Science |
| JANUARY, 2027 | 20 | Part B - Unit 3 Part A - Python Programming, Leveraging Linguistics ,AI Ethics and Values |
| FEBRUARY, 2027 | 11 | Part A - AI Ethics and Values |

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ACADEMIC SESSION - 2026-2027

| | | |
|-----------------|--------------------------------|---|
| CLASS: | | XI |
| SUBJECT: | | COMPUTER SCIENCE |
| MONTH | NO. OF WORKING DAYS | TOPICS TO BE COVERED |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | Unit -I Computer systems and organisation Sub Units - Basic Computer Organisation Types of software, operating system, Boolean logic |
| JULY, 2026 | 22 | Unit-I Computer Systems and organisation (contd) Sub Units - Boolean Logic, Number System Encoding schemes. |
| AUGUST, 2026 | 21 | Unit-II. computational Thinking & Programming -1 Sub Units - Introduction to Problem Solving, Basics of Python Programming, knowledge of Data types, operators, ExpressionsType conversion Errors. |
| SEPTEMBER, 2026 | 16 | Unit-II Computational Thinking & Programming -1(contd) Sub Units :- Flow of control, Conditional statements Iterative statement, strings.(contd) |
| OCTOBER, 2026 | 5 | Unit-II Computational Thinking & Programming -1(contd) sub unit :- Lists ,Tuples. |
| NOVEMBER, 2026 | 16 | Unit-II Computational Thinking & Programming -1(contd) sub unit- Dictionary ,Introduction to python modules. |
| DECEMBER, 2026 | 15 | Unit- III Society ,Law and Ethics. Sub units- Digital foot prints,Digital society and Netizen, Data protection,cyber crime. |
| JANUARY, 2027 | 20 | Unit-III Society, Law and Ethics (contd) Sub unit-Cyber Safety, Malware, E-Waste Management IT Act, Technology and Society |
| FEBRUARY, 2027 | 11 | REVISION |

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ACADEMIC SESSION - 2026-2027

| CLASS: | | XI |
|---------------------|---------------------------------------|--|
| SUBJECT: | | YOGA |
| <i>MONTH</i> | <i>NO. OF WORKING DAYS</i> | <i>TOPICS TO BE COVERED</i> |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | Emplobility skill and Introduction of Yoga Emplobility skill |
| JULY, 2026 | 22 | Yogic practice |
| AUGUST, 2026 | 21 | Asanas practice |
| SEPTEMBER, 2026 | 16 | Revision - Exam |
| OCTOBER, 2026 | 5 | YogaTexts |
| NOVEMBER, 2026 | 16 | YogaTexts |
| DECEMBER, 2026 | 15 | Yoga for Health Promotion |
| JANUARY, 2027 | 20 | Practical and Project |
| FEBRUARY, 2027 | 11 | REVISION |

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ACADEMIC SESSION - 2026-2027

| | | |
|-----------------|--------------------------------|---|
| CLASS: | | XI |
| SUBJECT: | | PAINTING |
| MONTH | NO. OF WORKING DAYS | TOPICS TO BE COVERED |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | Theory: Fundamentals of Visual Arts Practical: Still Life (Different fruits and vegetables composition) |
| JULY, 2026 | 22 | Theory: Introduction of Miniature Paintings and Six Limbs of Indian Painting Practical: Memory Composition (Any Topic) |
| AUGUST, 2026 | 21 | Theory: Rajasthani and Pahari Miniature Painting Practical: Still Life (Different fruits and vegetables composition) |
| SEPTEMBER, 2026 | 16 | Theory: Western School of Art Practical: Memory Composition (Any Topic) |
| OCTOBER, 2026 | 5 | Theory: Jain School of Art Practical: Still Life (Different fruits and vegetables composition) |
| NOVEMBER, 2026 | 16 | Theory: Mughal and Deccan School of Miniature Paintings Practical: Memory Composition (Any Topic) |
| DECEMBER, 2026 | 15 | Theory: Contribution of Indian Artist in National freedom Struggle and The Bengal School Painting and The Modern Trends in Indian Art |
| JANUARY, 2027 | 20 | Revision and Practice |
| FEBRUARY, 2027 | 11 | Revision and Practice |

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ACADEMIC SESSION - 2026-2027

| | | |
|-----------------|----------------------------|---|
| CLASS: | | XI |
| SUBJECT: | | ODISSI DANCE |
| MONTH | NO. OF WORKING DAYS | TOPICS TO BE COVERED |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | THEORY :What is BhoomiPranam? Prayer(Angikam) 5 fingers name in odissi dance. Asamyukta hasta mudras(single hand gestures 1-10). PRACTICAL : Bhoomipranam |
| JULY, 2026 | 22 | THEORY:A brief history of Indian dance What is odissi dance? How many parts are there in odissi Dance? Asamyukta hasta mudra (11 – 20) PRACTICAL : BhoomiPranam , 8 types of soundless exercises , 2 steps in chauka set to tala ekatali in different speeds , Manchapravesh |
| AUGUST, 2026 | 21 | THEORY: Short notes on myths related to : Kaliya daman, Dasavatar, Draupadi cheer hara PRACTICAL: Stepping 3 and 4 of chauka , Demonstration of Puspanjali |
| SEPTEMBER, 2026 | 16 | THEORY: Definition of the terms: Nritta,Nritya and Natya Matra,laya,taal,avartana,vibhaga(Anga) PRACTICAL :Stepping 5and 6 , Bhoomipranam in ektaal |
| OCTOBER, 2026 | 5 | THEORY-Vastraharana , The concept of Nataraja PRACTICAL- Revision of stepping 1 to 5 (chauka) |
| NOVEMBER, 2026 | 16 | THEORY-Neunichura (Makhanchor) Asamyukta hasta mudra (21 – 28) PRACTICAL:Revision of stepping 1 to 3(Tribhangi) |
| DECEMBER, 2026 | 15 | THEORY: Pallavi , Abhinaya PRACTICAL:Tribhangi stepping 4and 5 , Demonstration of Mangalacharana in ektaal , Recitation with hands of ukutas in ektaal , Naming of raga and hasta mudras used in the items |
| JANUARY, 2027 | 20 | THEORY: Moksha/ or any TandavDance.Revision PRACTICAL: Semiclassical / folk dance |
| FEBRUARY, 2027 | 11 | Revision and Practice |

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ACADEMIC SESSION - 2026-2027

| | | |
|---------------------|---------------------------------------|--|
| CLASS: | | XI |
| SUBJECT: | | PHYSICAL EDUCATION |
| <i>MONTH</i> | <i>NO. OF WORKING DAYS</i> | <i>TOPICS TO BE COVERED</i> |
| APRIL, 2026 | 0 | NA |
| MAY, 2026 | 0 | NA |
| JUNE, 2026 | 7 | Changing trends and career in Physical Education |
| JULY, 2026 | 22 | Olympic value education > Physical fitness, Wellness and Lifestyle |
| AUGUST, 2026 | 21 | Physical education and sports for CWSN > Yoga |
| SEPTEMBER, 2026 | 16 | Physical activity and Leadership training |
| OCTOBER, 2026 | 5 | Test and Mesurment And Evaluation |
| NOVEMBER, 2026 | 16 | Fundamentals of Anatomy and Physiology, Kinesiology |
| DECEMBER, 2026 | 15 | Psychology nad Sports |
| JANUARY, 2027 | 20 | Trainning and Doping in Sports |
| FEBRUARY, 2027 | 11 | Revision Practical and project |