

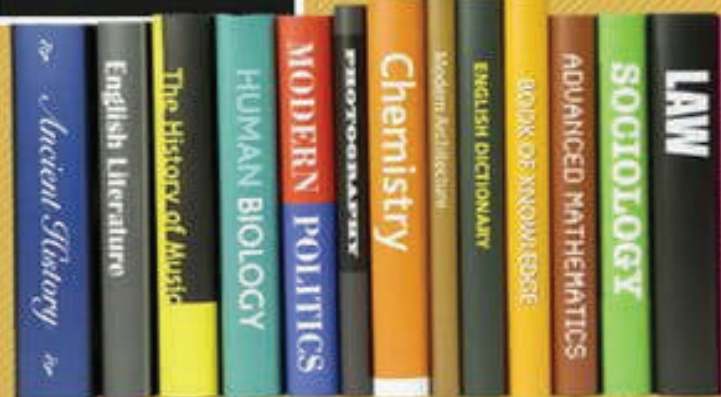


# DELHI PUBLIC SCHOOL RUBY PARK, KOLKATA



# Syllabus

CLASS – 8  
2026 – 27





### ENGLISH

| MONTH                      | READING                                        | WRITING                               | GRAMMAR                                                                    | LITERATURE                                                            |
|----------------------------|------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>APRIL</b>               | A Runaway Kite                                 | Dialogue writing<br>Paragraph writing | Sentences - Kinds<br>Subject-Predicate<br>Determiners, Prepositions        | The Night the Ghost Got In<br>The Lake Isle of Innisfree<br>Marshland |
| <b>MAY</b>                 | <b>PRE MID TERM EXAMINATION</b>                |                                       |                                                                            |                                                                       |
| <b>MAY</b>                 | The Nightingale and the Glowworm               | Diary Entry                           | Transitive- Intransitive<br>Verb, Subject- Verb<br>Agreement, Conjunctions | The Narayanpur Incident                                               |
| <b>JUNE</b>                | Snake Trouble                                  | Magazine Article                      | Voices                                                                     | The Narayanpur Incident (cont.)<br>The Rock and the Sea               |
| <b>JULY</b>                | A Newspaper is a Collection of Half Injustices | Formal Letter<br>E-mail               | Adverbs<br>Non-finites                                                     | Melting Ice in Alaska<br>Patol Babu<br>Filmstar                       |
| <b>AUGUST</b>              | The Secret of the Machines                     | Notice,<br>Speech writing (activity)  | Non-finites (cont.)                                                        | The Greatest Olympic Prize<br>Failure                                 |
| <b>AUGUST</b>              | <b>REVISION FOR HALF YEARLY EXAMINATION</b>    |                                       |                                                                            |                                                                       |
| <b>AUGUST - SEPTEMBER</b>  | <b>HALF YEARLY EXAMINATION</b>                 |                                       |                                                                            |                                                                       |
| <b>SEPTEMBER</b>           | The Stalled Ox                                 | Story Writing                         | Phrases and Clauses                                                        | The Boy Who Broke the Bank<br>Helen Keller                            |
| <b>OCTOBER</b>             | Her First Party                                | Debate (activity)                     | Tenses, Modals                                                             | The Visitor<br>Saving the Gharial                                     |
| <b>NOVEMBER</b>            | Crackers in a Pot                              | Report Writing (magazine)             | Reported Speech                                                            | The Stolen Bacillus                                                   |
| <b>NOVEMBER - DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>               |                                       |                                                                            |                                                                       |
| <b>DECEMBER</b>            | The Model Millionaire                          | Report Writing (newspaper)            | Reported Speech (cont.)<br>Transformation of sentences                     | The Elephant and the Tragoan<br>The Three Caskets                     |
| <b>JANUARY</b>             | Springtime a la carte                          | Report Writing (cont.)                | Transformation of Sentences (cont.)                                        | The Three Caskets (cont.)                                             |
| <b>JANUARY</b>             | <b>REVISION FOR ANNUAL EXAMINATION</b>         |                                       |                                                                            |                                                                       |
| <b>FEBRUARY</b>            | <b>ANNUAL EXAMINATION</b>                      |                                       |                                                                            |                                                                       |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

#### LANGUAGE & WRITING

Email Writing  
Phrases and Clause  
Non Finites  
Preposition  
Conjunction

#### LITERATURE

Patol Babu Film Star  
The Lake Isle of Innisfree

### HINDI 2<sup>ND</sup> LANGUAGE

| MONTH                  | LANGUAGE                                                                        | LITERATURE                                 |
|------------------------|---------------------------------------------------------------------------------|--------------------------------------------|
| APRIL                  | अपठित गद्यांश, कारक, विलोम शब्द (1-25)<br>पर्यायवाची शब्द (1-25), अनुच्छेद लेखन | जीवन नहीं मरा करता है, दो कलाकार           |
| MAY                    | PRE MID TERM EXAMINATION                                                        |                                            |
| MAY                    | समास                                                                            | ठीक निशाने पर                              |
| JUNE                   | उपसर्ग-प्रत्यय, चित्र वर्णन                                                     | नमक का दारोगा (कहानी संचय)                 |
| JULY                   | अनौपचारिक पत्र, संवाद लेखन                                                      | अंबर की बातें क्या जानूँ, जहाँनारा         |
| AUGUST                 | लघु कथा लेखन                                                                    | अनोखी कलाकृति (कहानी संचय)                 |
| AUGUST                 | REVISION FOR HALF YEARLY EXAMINATION                                            |                                            |
| AUGUST -<br>SEPTEMBER  | HALF YEARLY EXAMINATION                                                         |                                            |
| SEPTEMBER              | औपचारिक पत्र                                                                    | भारतगान                                    |
| OCTOBER                | रचना के आधार पर वाक्य के भेद और परिवर्तन                                        | महायज्ञ का पुरस्कार                        |
| NOVEMBER               | शब्द और पद, पदबंध, अनुस्वार-अनुनासिक                                            | सारनाथ                                     |
| NOVEMBER -<br>DECEMBER | POST MID TERM EXAMINATION                                                       |                                            |
| DECEMBER               | मुहावरे (1-30), सूचना लेखन, विज्ञापन लेखन                                       | अनजाना चेहरा (कहानी संचय), बीज पौध का जन्म |
| JANUARY                | ई-मेल लेखन                                                                      | कुंडलियाँ, टूटा किनारा (कहानी संचय)        |
| JANUARY                | REVISION FOR ANNUAL EXAMINATION                                                 |                                            |
| FEBRUARY               | ANNUAL EXAMINATION                                                              |                                            |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

**LANGUAGE** अपठित गद्यांश, अनौपचारिक पत्र, अनुच्छेद लेखन, लघु कथा लेखन

**LITERATURE** दो कलाकार



### BENGALI 2<sup>ND</sup> LANGUAGE

| MONTH               | LANGUAGE                                               | LITERATURE                                |
|---------------------|--------------------------------------------------------|-------------------------------------------|
| APRIL               | বোধ পরীক্ষণ। স্বরসন্ধি, ব্যঞ্জনসন্ধি। অনুচ্ছেদ।        | তোতা কাহিনী (গদ্য)। জীবনভিক্ষা (কবিতা)    |
| MAY                 | PRE MID TERM EXAMINATION                               |                                           |
| MAY                 | সাধু চলিত।                                             | আগামী (কবিতা)। ছিনাথ বহুরূপী (সহায়ক পাঠ) |
| JUNE                | বিসর্গ সন্ধি। বাক্য পরিবর্তন(অর্থগত)।                  | ঈশ্বরচন্দ্রের নির্ভীকতা (সহায়ক পাঠ)      |
| JULY                | সমাস- দ্বন্দ্ব, তৎপুরুষ, কর্মধারয়। উপসর্গ।            | যাত্রাপথে (গদ্য)।                         |
| AUGUST              | সম্পাদকীয় পত্র।                                       | অপুর কল্পনা (গদ্য)।                       |
| AUGUST              | REVISION FOR HALF YEARLY EXAMINATION                   |                                           |
| AUGUST - SEPTEMBER  | HALF YEARLY EXAMINATION                                |                                           |
| SEPTEMBER           | সমাস- অব্যয়ীভাব, দ্বিগু, বহুব্রীহি। শব্দগত শুদ্ধীকরণ। | পদ্মানদীর মাঝি (গদ্য)।                    |
| OCTOBER             | সম্পাদকীয় পত্র।                                       | ছোটোর দাবী (কবিতা)                        |
| NOVEMBER            | বিপরীতার্থক শব্দ। অনুচ্ছেদ।                            | যোগেন পণ্ডিত (সহায়ক পাঠ)                 |
| NOVEMBER - DECEMBER | POST MID TERM EXAMINATION                              |                                           |
| DECEMBER            | অনুচ্ছেদ।                                              | বাংলার মুখ আমি দেখিয়াছি (কবিতা)          |
| JANUARY             | বোধ পরীক্ষণ। সম্পাদকীয় পত্র।                          | বাংলার মুখ আমি দেখিয়াছি (কবিতা)          |
| JANUARY             | REVISION FOR ANNUAL EXAMINATION                        |                                           |
| FEBRUARY            | ANNUAL EXAMINATION                                     |                                           |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

#### LANGUAGE

বাক্য পরিবর্তন (অর্থগত)  
স্বরসন্ধি, ব্যঞ্জনসন্ধি, বিসর্গসন্ধি  
সমাস - দ্বন্দ্ব, তৎপুরুষ, কর্মধারয়

#### LITERATURE

আগামী (কবিতা)  
তোতা কাহিনী(গদ্য)  
ছিনাথ বহুরূপী(সহায়ক পাঠ)



### HINDI 3<sup>RD</sup> LANGUAGE

| MONTH               | LANGUAGE                                 | LITERATURE                      |
|---------------------|------------------------------------------|---------------------------------|
| APRIL               | अपठित गयांश, संज्ञा, अनुच्छेद लेखन, लिंग | भारत की संतान, सबसे अच्छा बस्ता |
| MAY                 | PRE MID TERM EXAMINATION                 |                                 |
| MAY                 | सर्वनाम                                  | दीए का अहंकार                   |
| JUNE                | चित्र वर्णन                              | बीरबल की होशियारी               |
| JULY                | अनौपचारिक पत्र, विशेषण                   | धूर्त बगुला                     |
| AUGUST              | मुहावरे                                  | ईदगाह                           |
| AUGUST              | REVISION FOR HALF YEARLY EXAMINATION     |                                 |
| AUGUST - SEPTEMBER  | HALF YEARLY EXAMINATION                  |                                 |
| SEPTEMBER           | विलोम शब्द, विराम चिह्न                  | न्यायप्रिय राजा                 |
| OCTOBER             | औपचारिक पत्र                             | अखबार                           |
| NOVEMBER            | वाक्यांश के लिए एक शब्द, पर्यायवाची शब्द | सच्चा हीरा                      |
| NOVEMBER - DECEMBER | POST MID TERM EXAMINATION                |                                 |
| DECEMBER            | विज्ञापन लेखन                            | हम सब सुमन एक उपवन के           |
| JANUARY             | अनुच्छेद लेखन                            | महाराजा रंजीत सिंह              |
| JANUARY             | REVISION FOR ANNUAL EXAMINATION          |                                 |
| FEBRUARY            | ANNUAL EXAMINATION                       |                                 |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

#### LANGUAGE

अपठित गयांश, मुहावरे  
चित्र वर्णन, लिंग

#### LITERATURE

बीरबल की होशियारी





### BENGALI 3<sup>RD</sup> LANGUAGE

| MONTH               | LANGUAGE                                       | LITERATURE                                       |
|---------------------|------------------------------------------------|--------------------------------------------------|
| APRIL               | এক কথায় প্রকাশ। অনুচ্ছেদ। বোধ পরীক্ষণ।        | যখনকার যা, তখনকার তা(কবিতা) আমার ছেলেবেলা (গদ্য) |
| MAY                 | PRE MID TERM EXAMINATION                       |                                                  |
| MAY                 | লিঙ্গ। বোধ পরীক্ষণ।                            | লাডাকের বুনো হাঁস (গদ্য)                         |
| JUNE                | পদ - বিশেষ্য, বিশেষণ, সর্বনাম, অব্যয়, ক্রিয়া | লড়বে না কি (কবিতা)                              |
| JULY                | পত্র লিখন (ব্যক্তিগত)                          | চালিয়াত (গদ্য), কালো কালো মেঘগুলি (কবিতা)       |
| AUGUST              | বচন, অনুচ্ছেদ                                  | কালো কালো মেঘগুলি (কবিতা)                        |
| AUGUST              | REVISION FOR HALF YEARLY EXAMINATION           |                                                  |
| AUGUST - SEPTEMBER  | HALF YEARLY EXAMINATION                        |                                                  |
| SEPTEMBER           | সমার্থক শব্দ                                   | মহিষাসুর (গদ্য)                                  |
| OCTOBER             | বোধ পরীক্ষণ। ক্রিয়ার কাল।                     | মহিষাসুর (গদ্য)                                  |
| NOVEMBER            | পত্র লিখন (ব্যক্তিগত)। অনুচ্ছেদ।               | অকর্মার বিভ্রাট (কবিতা)                          |
| NOVEMBER - DECEMBER | POST MID TERM EXAMINATION                      |                                                  |
| DECEMBER            | বিপরীতার্থক শব্দ, সমার্থক শব্দ                 | কবি ও নোবেল পুরস্কার (গদ্য)                      |
| JANUARY             | পুনরালোচনা                                     | পুনরালোচনা                                       |
| JANUARY             | REVISION FOR ANNUAL EXAMINATION                |                                                  |
| FEBRUARY            | ANNUAL EXAMINATION                             |                                                  |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

#### LANGUAGE

এক কথায় প্রকাশ

লিঙ্গ

#### LITERATURE

কালো কালো মেঘগুলি (কবিতা)

লাডাকের বুনো হাঁস (গদ্য)

### SANSKRIT 3<sup>RD</sup> LANGUAGE

| MONTH                  | LANGUAGE                                                           | LITERATURE                                             |
|------------------------|--------------------------------------------------------------------|--------------------------------------------------------|
| APRIL                  | अपठितगद्यांशः, वर्णविन्यासः,<br>शब्दरूपाणि, धातुरूपाणि, समयलेखनम्। | क्रिकेट-क्रीडा, बीरबलस्य चातुर्यम्                     |
| MAY                    | PRE MID TERM EXAMINATION                                           |                                                        |
| MAY                    | अपठितगद्यांशः                                                      | सुवचनानि                                               |
| JUNE                   | वर्णसंयोजनम्                                                       | शृगालकथा                                               |
| JULY                   | चित्रवर्णनम्                                                       | ईश्वरः यत्करोति शोभनं करोति                            |
| AUGUST                 | शब्दरूपाणि, धातुरूपाणि                                             | वरं बुद्धिर्न सा विद्या, साहित्य-सुधा                  |
| AUGUST                 | REVISION FOR HALF YEARLY EXAMINATION                               |                                                        |
| AUGUST -<br>SEPTEMBER  | HALF YEARLY EXAMINATION                                            |                                                        |
| SEPTEMBER              | शब्दरूपाणि, धातुरूपाणि                                             | अन्तर्जालम्                                            |
| OCTOBER                | अपठितगद्यांशः                                                      | गोवाप्रदेशः                                            |
| NOVEMBER               | चित्रवर्णनम्                                                       | दुर्बलानां बलं युक्तिः, प्रकाशस्य परावर्तम् अपवर्तनं च |
| NOVEMBER -<br>DECEMBER | POST MID TERM EXAMINATION                                          |                                                        |
| DECEMBER               | शब्दरूपाणि, धातुरूपाणि                                             | भारतस्य संविधानम्                                      |
| JANUARY                | पुनरावृत्तिः                                                       | पुनरावृत्तिः                                           |
| JANUARY                | REVISION FOR ANNUAL EXAMINATION                                    |                                                        |
| FEBRUARY               | ANNUAL EXAMINATION                                                 |                                                        |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

#### LANGUAGE

अपठितगद्यांशः, चित्रवर्णनम्, समयलेखनम्

#### LITERATURE

सुवचनानि  
वरं बुद्धिर्न सा विद्या  
साहित्य-सुधा

# Syllabus



**DELHI PUBLIC SCHOOL  
RUBY PARK, KOLKATA**



## MATHEMATICS

| MONTH | CHAPTER                            | SUB-TOPIC                                       |
|-------|------------------------------------|-------------------------------------------------|
| APRIL | A Square and A Cube                | Square Numbers                                  |
|       |                                    | Cubic Numbers                                   |
|       |                                    | A pinch of History                              |
|       | Power Play                         | Experiencing the Power Play                     |
|       |                                    | Exponential Notation and Operations             |
|       |                                    | The Other Side of Powers                        |
|       |                                    | Powers of 10                                    |
|       |                                    | A Pinch of History                              |
| MAY   | PRE MID TERM EXAMINATION           |                                                 |
| MAY   | A Story of Numbers                 | Reema's Curiosity                               |
|       |                                    | Some Early Number Systems                       |
|       |                                    | The Idea of a Base                              |
|       |                                    | Place Value Representation                      |
| MAY   | Quadrilaterals                     | Rectangles and Squares                          |
|       |                                    | Angles in a Quadrilateral                       |
|       |                                    | More Quadrilateral with Parallel Opposite Sides |
| JUNE  | Quadrilaterals (Continued)         | Quadrilaterals with Equal Side lengths          |
|       |                                    | Playing with Quadrilaterals                     |
|       |                                    | Kite and Trapezium                              |
|       | We Distribute, Yet Things Multiply | Some Properties of Multiplications              |
|       |                                    | Special Cases of the Distributive Property      |
|       |                                    | Mind the Mistake, Mend the Mistake              |
|       |                                    | This Way or That Way, All Ways Lead to the Bay  |
| JULY  | Algebra Play                       | Algebra Play                                    |
|       |                                    | Number Pyramids                                 |
|       |                                    | Fun with Grids                                  |
|       |                                    | The Largest Product                             |
|       |                                    | Decoding Divisibility Tricks                    |
|       | Proportional Reasoning-1           | Observing Similarity in Change                  |
|       |                                    | Ratios                                          |
|       |                                    | Ratios in their Simplest Form                   |
|       |                                    | Problem Solving with Proportional Reasoning     |
|       |                                    | Sharing, but Not Equally                        |
|       |                                    | Unit Conversions                                |
|       |                                    | Fractions as Percentages                        |





### MATHEMATICS

Contd....P/2

|                           |                                             |                                                                     |
|---------------------------|---------------------------------------------|---------------------------------------------------------------------|
|                           | Fractions in Disguise                       | Percentage of Some Quantity                                         |
|                           |                                             | Using Percentages                                                   |
| <b>AUGUST</b>             | Fractions in Disguise (Continued)           | Using Percentages                                                   |
| <b>AUGUST</b>             | <b>REVISION FOR HALF YEARLY EXAMINATION</b> |                                                                     |
| <b>AUGUST - SEPTEMBER</b> | <b>HALF YEARLY EXAMINATION</b>              |                                                                     |
| <b>SEPTEMBER</b>          | The Baudhayana-Pythagoras Theorem           | Doubling a Square                                                   |
|                           |                                             | Halving a Square                                                    |
|                           |                                             | Hypotenuse of an Isosceles Right Triangle                           |
|                           |                                             | Combining Two Different Squares                                     |
|                           |                                             | Right-Triangles Having Integer Sidelengths                          |
|                           |                                             | A Long-Standing Open Problem                                        |
|                           |                                             | Further Applications of the Baudhāyana                              |
|                           |                                             | Pythagoras Theorem                                                  |
| <b>OCTOBER</b>            | Area                                        | Rectangle and Squares                                               |
|                           |                                             | Area of Triangle, Parallelogram, Rhombus, Trapezium and any Polygon |
| <b>NOVEMBER</b>           | Exploring Some Geometric Themes             | Fractals                                                            |
|                           |                                             | Visualising Solids                                                  |
|                           | <b>POST MID TERM EXAMINATION</b>            |                                                                     |
|                           | Proportional Reasoning-2                    | Proportionality — A Quick Recap                                     |
|                           |                                             | Ratios in Maps                                                      |
|                           |                                             | Ratios with More than 2 Terms                                       |
|                           |                                             | Dividing a Whole in a Given Ratio                                   |
|                           |                                             | A Slice of the Pie                                                  |
|                           |                                             | Inverse Proportions                                                 |
| <b>DECEMBER</b>           | Number Play                                 | Is This a Multiple Of?                                              |
|                           |                                             | Checking Divisibility Quickly                                       |
|                           |                                             | Digits in Disguise                                                  |
|                           | Tales by Dots and Lines                     | The Balancing Act                                                   |
|                           |                                             | Visualising and Interpreting Data                                   |
| <b>JANUARY</b>            | Tales by Dots and Lines (continued)         | Visualising and Interpreting Data                                   |
| <b>JANUARY</b>            | <b>REVISION FOR ANNUAL EXAMINATION</b>      |                                                                     |
| <b>FEBRUARY</b>           | <b>ANNUAL EXAMINATION</b>                   |                                                                     |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

Power Play  
Quadrilaterals  
Proportional Reasoning-1  
Fractions in Disguise



### PHYSICS

| MONTH              | CHAPTER                                   | SUB-TOPIC                                                                                                                                                                                                         |
|--------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APRIL              | Electricity: Magnetic and Heating Effects | Magnetic effect of current<br>Electromagnets<br>Heating effect of electric current<br>Factors influencing heat produced in a wire                                                                                 |
| MAY                | PRE MID TERM EXAMINATION                  |                                                                                                                                                                                                                   |
| MAY - JUNE         | Electricity: Magnetic and Heating Effects | Applications of heating effect of electric current<br>Drawbacks of the heating effect<br>Electric Cells and batteries<br>Voltaic Cell<br>Dry Cells<br>Rechargeable Batteries                                      |
| JULY - AUGUST      | Exploring Forces                          | Forces at play Understanding force and its effects<br>Forces as interactions<br>Different kinds of forces around us<br>Contact Forces<br>Non-contact Forces<br>Weight and its measurement<br>Floating and sinking |
| AUGUST             | REVISION FOR HALF YEARLY EXAMINATION      |                                                                                                                                                                                                                   |
| AUGUST - SEPTEMBER | HALF YEARLY EXAMINATION                   |                                                                                                                                                                                                                   |
| SEPTEMBER          | Pressure, Winds, Storms and Cyclones      | Pressure<br>Pressure exerted by liquids<br>Pressure exerted by air<br>Formation of wind<br>Storms, thunder and lightning<br>Safety during lightning                                                               |
| OCTOBER            |                                           | Cyclones<br>Destructive impacts of cyclones<br>Preparedness and safety measures                                                                                                                                   |



### PHYSICS

Contd....P/2

|                            |                                        |                                                                                                                                                                                                                |
|----------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NOVEMBER</b>            | Light: Mirrors and Lenses              | Spherical Mirrors<br>Types of spherical mirrors<br>Characteristics of images formed by spherical mirrors<br>Uses of spherical mirrors<br>Laws of reflection of light<br>Reflection of parallel rays by mirrors |
| <b>NOVEMBER - DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>       |                                                                                                                                                                                                                |
| <b>DECEMBER</b>            | Light: Mirrors and Lenses              | Lenses<br>Behaviour of parallel rays when passed through lenses<br>Uses of lenses                                                                                                                              |
| <b>DECEMBER</b>            | Keeping Time With The Skies            | Phases of the moon<br>Locating the moon<br>Why do phases occur?<br>Measuring time with natural events<br>Solar Time Units<br>Lunar Time Units                                                                  |
| <b>JANUARY</b>             |                                        | Calendars<br>The Indian National Calendar<br>Festivals and Astronomical events<br>Exploring Space with Artificial satellites<br>India's Space journey                                                          |
| <b>JANUARY</b>             | <b>REVISION FOR ANNUAL EXAMINATION</b> |                                                                                                                                                                                                                |
| <b>FEBRUARY</b>            | <b>ANNUAL EXAMINATION</b>              |                                                                                                                                                                                                                |

Topics from Term 1 Syllabus covered before HY Exam NOT TO BE INCLUDED in the Annual Exam



### CHEMISTRY

| MONTH               | CHAPTER                                              | SUB-TOPIC                                                                                                                                                                      |
|---------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APRIL               | Particulate Nature of Matter                         | Composition of matter<br>Particles in different states of matter<br>Interparticle spacing in different states of matter<br>Movement of particles in different states of matter |
| MAY                 | PRE MID TERM EXAMINATION                             |                                                                                                                                                                                |
| MAY                 | Particulate Nature of Matter                         | States of matter and particulate energy<br>Comparison of solids, liquids and gases                                                                                             |
| JUNE                | Nature of Matter: Elements, Compounds and Mixtures   | Matter around us<br>What are mixtures<br>Pure substances                                                                                                                       |
| JULY                |                                                      | Types of pure substances<br>Mixtures vs compounds                                                                                                                              |
| AUGUST              |                                                      | Application of elements, compounds and mixtures<br>Minerals                                                                                                                    |
| AUGUST              | REVISION FOR HALF YEARLY EXAMINATION                 |                                                                                                                                                                                |
| AUGUST - SEPTEMBER  | HALF YEARLY EXAMINATION                              |                                                                                                                                                                                |
| SEPTEMBER           | The amazing world of solutes, solvents and solutions | Introduction to mixtures and solutions<br>What makes a solution<br>Amount of solute in a solvent<br>Solubility of gases in liquids                                             |
| OCTOBER             |                                                      | The phenomenon of floating and sinking<br>Density                                                                                                                              |
| NOVEMBER            |                                                      | Relative density<br>Effect of temperature on density<br>Effect of pressure on density                                                                                          |
| NOVEMBER - DECEMBER | POST MID TERM EXAMINATION                            |                                                                                                                                                                                |
| DECEMBER            | Our home: Earth, a Unique Life Sustaining Planet     | What makes the Earth so special<br>The planets of our solar system<br>Factors that make the Earth suitable for life - Position of the Earth, Size of the Earth                 |
| JANUARY             |                                                      | Factors that make the Earth suitable for life - Magnetic field of the Earth<br>How is life sustained on Earth - Air, Water and Sunlight<br>Soil, rocks and minerals            |
| JANUARY             | REVISION FOR ANNUAL EXAMINATION                      |                                                                                                                                                                                |
| FEBRUARY            | ANNUAL EXAMINATION                                   |                                                                                                                                                                                |

Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam:

Particulate Nature of Matter



### BIOLOGY

| MONTH              | CHAPTER                                          | SUB-TOPIC                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APRIL              | The Invisible Living World: Beyond Our Naked Eye | The World beyond our naked eyes<br>What is a Cell?<br>How cells differ in shape and structure?<br>Levels of body organisation<br>What are microorganisms?<br>Microbes: Our Invisible Companions                  |
| MAY                | PRE MID TERM EXAMINATION                         |                                                                                                                                                                                                                  |
| MAY                | The Invisible Living World: Beyond Our Naked Eye | Microorganisms and food<br>Microalgae: Small creatures making a big difference<br>The biological basis of life: Cell                                                                                             |
| JUNE               | Health: The Ultimate Treasure                    | The Health Question<br>What does being healthy really mean?<br>How to keep ourselves healthy?<br>Building a healthy life style<br>What does a clean environment measure?<br>Recognising the signs of poor health |
| JULY               | Health: The Ultimate Treasure                    | Causes and types of diseases<br>Communicable diseases: Causes and mode of transmission<br>Non communicable diseases: Causes and Prevention<br>How can we prevent and control diseases?                           |
| AUGUST             | Health: The Ultimate Treasure                    | How can we treat diseases?<br>Traditional medicine system<br>Managing non communicable diseases                                                                                                                  |
| AUGUST             | REVISION FOR HALF YEARLY EXAMINATION             |                                                                                                                                                                                                                  |
| AUGUST - SEPTEMBER | HALF YEARLY EXAMINATION                          |                                                                                                                                                                                                                  |
| SEPTEMBER          | How nature works in Harmony                      | A lesson from the forest<br>What happens when forests shrink?<br>Understanding and experiencing our surroundings<br>Living together in nature<br>Importance of every organism in the community                   |



### BIOLOGY

Contd....P/2

|                            |                                                   |                                                                                                                                           |
|----------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OCTOBER</b>             | How nature works in Harmony                       | Interactions among organisms and their surroundings<br>Classification of organisms<br>Who eats whom?<br>Trophic levels: Who stands where? |
| <b>NOVEMBER</b>            | How nature works in Harmony                       | Food webs: Nature's network<br>Nature's way of managing waste<br>Impact of one change to another<br>Interaction and balance in ecosystems |
| <b>NOVEMBER - DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>                  |                                                                                                                                           |
| <b>DECEMBER</b>            | How nature works in Harmony                       | Benefits of ecosystems<br>Nature and Farms                                                                                                |
|                            | Our Home: Earth, A Unique Life Sustaining Planet. | Plants, Animals and Microorganisms<br>The importance of balance<br>Life's secret to surviving on Earth                                    |
| <b>JANUARY</b>             |                                                   | Asexual Reproduction<br>Sexual Reproduction                                                                                               |
| <b>JANUARY</b>             | <b>REVISION FOR ANNUAL EXAMINATION</b>            |                                                                                                                                           |
| <b>FEBRUARY</b>            | <b>ANNUAL EXAMINATION</b>                         |                                                                                                                                           |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**

Health : The Ultimate Treasure





### HISTORY AND CIVICS

| MONTH | CHAPTERS                                         | SUB- TOPICS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APRIL | Reshaping India's Political Map                  | Concept of 'medieval' and a brief account of 11th to 13th century in India<br>The Rise and Fall of the Delhi Sultanate<br>Resistance to Delhi Sultanate<br>The Vijaynagar Kingdom and Krishnadevaraya<br>The Mughals<br>Resistance to the Mughals<br>Jat peasantry<br>Tribals (Bhils, Gonds, Santhals, Kochs)- Case of Rani Durgavati<br>Surge of the Rajputs, Ahoms, Sikhs<br>Administering India- Administration under Delhi Sultanate and the Mughals<br>People's lives                                                                                                                                                                       |
| APRIL | Universal Franchise and India's Electoral System | Universal Adult Franchise<br>Bridging Barriers, Enabling Participation:<br>The Role of the Election Commission of India (ECI)<br>Election Commission of India- A brief introduction<br>Managing the electoral process<br>Model Code of Conduct (MCC)<br>Understanding Elections in India- A Very Brief Overview<br>Election to the Rajya Sabha<br>Election of the President of India<br>Election of the Vice President of India<br>Challenges and the Road Ahead                                                                                                                                                                                 |
| MAY   | PRE-MID TERM EXAMINATION                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MAY   | The Colonial Era in India                        | The Age of Colonialism<br>Europeans in India-<br>The Portuguese commerce and atrocities<br>The Dutch commerce and competition<br>The French: colonial ambitions<br>Enter the British- From traders to rulers                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| JUNE  | The Colonial Era in India                        | The strategy of 'divide and rule'<br>From Paradise to Hell- Devastating famines; The drain of India's wealth<br>Changing Landscapes- Decline of India's indigenous industries<br>Dismantling traditional governance structures; Transforming Indian education: creating 'brown Englishmen'<br>Reshaping economic structures to serve imperial needs<br>Early Resistance Movements: Challenging Colonial Authority-<br>Tribal uprisings; Peasant uprisings against economic exploitation.<br>The Great Rebellion of 1857<br>The Legacy of European colonialism in India- Two heroines<br>Rani Lakshmibai of Jhansi<br>Begum Hazrat Mahal of Awadh |



### HISTORY AND CIVICS

Contd....P/2

|                     |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JULY                | The Parliamentary System:<br>Legislature and Executive | Composition of the Parliament of India<br>Function<br>Legislative Functions of the Parliament<br>Executive Functions of Parliament<br>Differences between the Legislature and the Executive<br>The Judiciary- Role of Checks and Balances<br>Legislative and Executive Functions at the State Level<br>Parallel Structure of Union and State Governments<br>Structure of State Legislatures<br>Challenges to the effective functioning of the Legislatures |
| JULY- AUGUST        | The Rise of the Marathas                               | Who are the Marathas?<br>Foundation of Maratha Power and the Rise of Shivaji<br>The Marathas after Shivaji<br>Maratha Administration-Civil administration, Military Administration<br>,Maritime supremacy, Judicial system, Trade networks<br>The mighty Maratha women<br>Cultural Revival- In focus: Thanjavur;<br>The Maratha legacy                                                                                                                     |
| AUGUST              | REVISION FOR HALF YEARLY EXAMINATION                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AUGUST - SEPTEMBER  | HALF YEARLY EXAMINATION                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SEPTEMBER           |                                                        | Remaining Syllabus break-up will be updated soon                                                                                                                                                                                                                                                                                                                                                                                                           |
| OCTOBER             |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NOVEMBER            |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NOVEMBER - DECEMBER | POST MID TERM EXAMINATION                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DECEMBER            |                                                        | Remaining Syllabus break-up will be updated soon                                                                                                                                                                                                                                                                                                                                                                                                           |
| JANUARY             |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| JANUARY             | REVISION FOR ANNUAL EXAMINATION                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| FEBRUARY            | ANNUAL EXAMINATION                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

#### Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam

|         |                           |
|---------|---------------------------|
| History | The Colonial Era in India |
| Civics  | The Parliamentary System  |



### GEOGRAPHY AND ECONOMICS

| MONTH                  | CHAPTERS                                             | SUB- TOPICS                                                                                                                                              |  |
|------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| APRIL                  | Natural Resources :<br>Concept and Uses<br>(EMPOWER) | How does Nature become a Resource?<br>Classification of Resources                                                                                        |  |
| APRIL                  | Factors of Production<br>(NCERT)                     | Factors of Production - Land, Labour                                                                                                                     |  |
| MAY                    | PRE-MID TERM EXAMINATION                             |                                                                                                                                                          |  |
| JUNE                   | Natural Resources :<br>Concept and Uses (Contd.)     | Nature's Principle of Restoration and Regeneration<br>Distribution of Natural Resources and its Implication<br><b>Case Study to be done as Activity</b>  |  |
| JULY                   | Factors of Production<br>(Contd.)                    | Capital<br>Entrepreneurship<br>Technology : An Enabler of Production<br>How are the Factors Connected?<br>Responsibilities Towards Factors of Production |  |
| AUGUST                 |                                                      | Remaining Syllabus break-up will be updated soon                                                                                                         |  |
| AUGUST                 | REVISION FOR HALF YEARLY EXAMINATION                 |                                                                                                                                                          |  |
| AUGUST -<br>SEPTEMBER  | HALF YEARLY EXAMINATION                              |                                                                                                                                                          |  |
| SEPTEMBER              |                                                      |                                                                                                                                                          |  |
| OCTOBER                |                                                      | Remaining Syllabus break-up will be updated soon                                                                                                         |  |
| NOVEMBER               |                                                      |                                                                                                                                                          |  |
| NOVEMBER -<br>DECEMBER | POST MID TERM EXAMINATION                            |                                                                                                                                                          |  |
| DECEMBER               |                                                      | Remaining Syllabus break-up will be updated soon                                                                                                         |  |
| JANUARY                |                                                      |                                                                                                                                                          |  |
| JANUARY                | REVISION FOR ANNUAL EXAMINATION                      |                                                                                                                                                          |  |
| FEBRUARY               | ANNUAL EXAMINATION                                   |                                                                                                                                                          |  |

Topics from Term 1 Syllabus covered before HY Exam NOT TO BE INCLUDED in the Annual Exam



### COMPUTER SCIENCE, COMPUTATIONAL THINKING & AI

| MONTH              | CHAPTER                                      | SUB-TOPIC                                                                                                                                                                                               |
|--------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APRIL              | Creating Planes for 3D Models                | Creating a Plane                                                                                                                                                                                        |
|                    | Designing 3D Objects                         | Drawing Walls, Drawing Stairs                                                                                                                                                                           |
|                    | Working with 3D Models                       | Adding Text and Colour Downloading Models and Creating a Video                                                                                                                                          |
| MAY                | PRE MID TERM EXAMINATION                     |                                                                                                                                                                                                         |
| MAY - JUNE         | Creating My First Video                      | Getting Started with Video Editing<br>Developing Movie Projects<br>Exporting a Movie into WMV Format                                                                                                    |
| JUNE               | Creating A Documentary                       | Modifying a Video<br>Making the Video Presentable                                                                                                                                                       |
| JULY               | Applying Special Effects                     | Visual and Audio Effects<br>Adding Text to Video                                                                                                                                                        |
|                    | AI Project Lifecycle                         | Stepwise problem solving<br>Data analysis and logic                                                                                                                                                     |
|                    | New Trends on the Internet                   | Interacting on the Internet<br>Introduction to Web 2.0<br>Wikis, Blogs<br>Online Encyclopedia<br>Google Maps<br>e-Communities& Social Networking<br>Cloud Computing ,Mobile Computing<br>Cyber Security |
| AUGUST             | Artificial Intelligence and its Applications | Recognizing patterns to solve real world problems                                                                                                                                                       |
|                    | Programming with C++                         | Recap of C++-Level1<br>Accepting User Inputs<br>Choosing Operations<br>Using User-defined Functions<br>Creating Arrays                                                                                  |
| AUGUST             | REVISION FOR HALF YEARLY EXAMINATION         |                                                                                                                                                                                                         |
| AUGUST - SEPTEMBER | HALF YEARLY EXAMINATION                      |                                                                                                                                                                                                         |
| SEPTEMBER          | A Story of Numbers                           | Number System                                                                                                                                                                                           |
|                    | Beginning with OOPs                          | Creating Class<br>Creating objects of a Class<br>Calling Function using Object                                                                                                                          |
| OCTOBER            | Inheritance and Function Overloading         | Implementing Inheritance<br>Implementing Function Overloading                                                                                                                                           |
| NOVEMBER           | Using the C++ Library                        | Library Functions                                                                                                                                                                                       |



### COMPUTER SCIENCE, COMPUTATIONAL THINKING & AI

Contd....P/2

|                            |                                                                                   |                                                                                                                |
|----------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>NOVEMBER</b>            | Data and Fairness in AI                                                           | Identifying Bias<br>Logical sequence of unbalanced data                                                        |
| <b>NOVEMBER</b>            | Ethics and Responsible AI                                                         | Ethical decision making,<br>Accountability and critical thinking regarding misinformation                      |
| <b>NOVEMBER - DECEMBER</b> | <b>POST MID TERM EXAMINATION</b>                                                  |                                                                                                                |
| <b>JANUARY</b>             | Java – A Cup of Coffee<br>Storing and<br>Operating on Data                        | Introduction OOPs Concepts<br>Program Creation and Execution<br>Variables and Data Types<br>Types of Operators |
|                            | (Bridge Course in<br>Programming)<br>Beginning with C++<br>Storing and Using Data | Define Class, Object, Variables, Identifying Operators<br>Compiling and executing a C++ program                |
|                            | <b>REVISION FOR ANNUAL EXAMINATION</b>                                            |                                                                                                                |
| <b>FEBRUARY</b>            | <b>ANNUAL EXAMINATION</b>                                                         |                                                                                                                |

**Topics from Term 1 Syllabus covered before HY Exam to be included in the Annual Exam**

New Trends on the Internet

Programming with C++



### G.K. & VALUE EDUCATION

| MONTH                 | GENERAL KNOWLEDGE          | VALUE EDUCATION                                 |
|-----------------------|----------------------------|-------------------------------------------------|
| APRIL                 | Nature                     | Clean up Crew<br>The Real King                  |
| MAY                   | India                      | Small Hands,Big Hearts<br>Kindness Repaid       |
| JUNE                  | Around the World           | Jenny<br>The Gold Necklace                      |
| JULY                  | Language                   | Tit for Tat<br>Bhishma's Vow                    |
| AUGUST                | Science<br>Current Affairs |                                                 |
| AUGUST -<br>SEPTEMBER | HALF YEARLY EXAMINATION    |                                                 |
| SEPTEMBER             | Sports                     | Laughter is the Best Medicine<br>Socrates       |
| OCTOBER               | Entertainment              | Overcoming Overpopulation<br>Sadhu's Anger      |
| NOVEMBER              | Life Skills                | Pride<br>Humility                               |
| DECEMBER              | Open the Bag of Fun        | Junn<br>The Change-Maker: Raja Ram Mohan<br>Roy |
| JANUARY               | Current Affairs            |                                                 |
| FEBRUARY              | ANNUAL EXAMINATION         |                                                 |



### SKILL EDUCATION

| Name of the Project                                | MONTH             | SUB-TOPIC                                                                                                  |
|----------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------|
| <b>Project - 1</b><br><b>Hydroponics</b>           | <b>Apr - June</b> | Growing microgreens for preparing a healthy salad                                                          |
|                                                    | <b>July - Aug</b> | Building a hydroponic system using 'Wick Method'                                                           |
|                                                    | <b>Sept - Nov</b> | Building a hydroponic system using deep water culture (DWC) or Bucket Method                               |
|                                                    | <b>Dec - Jan</b>  | Building a hydroponic system using Nutrient film Technique                                                 |
| <b>Project 2</b><br><b>Home Automation</b>         | <b>Apr - June</b> | Knowing electronic components used in automation systems.                                                  |
|                                                    | <b>July - Aug</b> | Exploring circuits using a simulation platform                                                             |
|                                                    | <b>Sept - Nov</b> | Designing an automatic street light system                                                                 |
|                                                    | <b>Dec - Jan</b>  | Designing an automation device of student's own choice                                                     |
| <b>Project 3</b><br><b>Creating Advertisements</b> | <b>Apr - June</b> | Introduction to Advertisements -<br>(a) Meaning and Purpose<br>(b) Kinds and Types                         |
|                                                    | <b>July - Aug</b> | Types and components of Advertisements -<br>(a) Features<br>(b) Target Audience                            |
|                                                    | <b>Sept - Nov</b> | Components of an Advertisement<br>Language Techniques in Advertising<br>Steps to create advertisements     |
|                                                    | <b>Dec - Jan</b>  | Writing a classified advertisement / poster advertisement<br>Designing an advertisement for a school event |