

**ST. COLUMBUS SCHOOL**  
**DAYAL BAGH, FBD.**  
**SYLLABUS OF CLASS XII - SCIENCE (2026-27)**

**Subject – English**

| <b><u>APRIL</u></b>   |                         | <b><u>MAY</u></b>  | <b><u>JULY</u></b>  |
|---|-------------------------|--|---|
| <b><u>Reading skill</u></b><br>1. Reading Comprehension<br><b><u>Advanced writing</u></b><br>1. Article writing<br>2. Notice<br><b><u>Literature</u></b><br><b><u>Flamingo</u></b><br>1. The Last Lesson<br>2. Lost Spring<br>3. Deep Water<br><b><u>Vistas</u></b><br>1. The Third Level<br>2. The Tiger King<br><b><u>Poetry</u></b><br>1. My Mother At Sixty Six |                         | <b><u>Advanced writing</u></b><br>1. Report Writing<br>2. Letter Writing<br>3. Formal Informal invitation and reply<br><b><u>Literature</u></b><br><b><u>Flamingo</u></b><br>1. The Rattrap<br>2. Poets and Pancakes<br><b><u>Vistas</u></b><br>1. Journey to the end of the Earth<br>2. The Enemy<br><br><b><u>Poetry</u></b><br>1. Keeping Quiet | <b><u>Advanced Writing</u></b><br><b><u>Literature</u></b><br><b><u>Flamingo</u></b><br>1. Indigo<br><b><u>Vistas</u></b><br>1. On the face of it.<br><b><u>Poetry</u></b><br>1. A Thing of Beauty<br>2. A roadside stand |
| <b><u>AUGUST</u></b>  | <b><u>SEPTEMBER</u></b> | <b><u>OCTOBER</u></b>  |   |
| <b><u>Flamingo</u></b><br>1. The Interview (Part 1 and 2)<br>2. Going Places<br><b><u>Poetry</u></b><br>1. Aunt Jennifer's Tiger<br>2. Memories of childhood  | -----REVISION-----      | -----REVISION-----   | -----REVISION-----  |

**Subject – Maths**

| <b><u>APRIL</u></b>  |                         | <b><u>MAY</u></b>   | <b><u>JULY</u></b>   |                        |
|--|-------------------------|---|--|------------------------|
| L2.Inverse Trigonometric Functions<br>L3.Matrices<br>L4.Determinants                             |                         | L5.Continuity and Differentiability<br>L6.Applications of derivative<br>L12. Linear Programming | L7. Indefinite Integration<br>L7.Definite Integration<br>L 8. Application of Integration<br>L1. Relation and Functions |                        |
| <b><u>AUGUST</u></b>   | <b><u>SEPTEMBER</u></b> | <b><u>OCTOBER</u></b>   | <b><u>NOVEMBER</u></b>   | <b><u>DECEMBER</u></b> |
| L9.Differential Equations<br>L10.Vector Algebra<br>L11.3-Dimensional Geometry<br>L13.Probability | ----REVISION--          | ----REVISION--  | ----REVISION--   | ----REVISION-          |

**Subject – Physics**

| <b><u>APRIL</u></b>  |                                   | <b><u>MAY</u></b>   | <b><u>JULY</u></b>  |
|--|-----------------------------------|---|---|
| L1. Electric Charges & Fields<br>L2.Electrostatic Potential & capacitance<br>L3. Current Electricity |                                   | L4. Moving Charges and Magnetism<br>L5. Magnetism and Matter<br>L6.Electromagnetic Induction<br>L7. Alternating Current | L8. Electromagnetic Waves<br>L9. Ray Optics<br>L10. Wave Optics |
| <b><u>AUGUST</u></b>   | <b><u>SEPTEMBER</u></b>           | <b><u>OCTOBER</u></b>   |   |
| L11. Dual Nature of Radiation and Matter<br>L12. Atoms<br>L13. Nuclei<br>L14. Semiconductor          | ---PRACTICAL & REVISION-<br>----- | -----REVISION-----  | -----REVISION-----  |

**Subject – Chemistry**

| <u>APRIL</u>   |                             | <u>MAY</u>   | <u>JULY</u>  |
|--|-----------------------------|--|--|
| L-6.Haloalkanes and Haloarenes<br>L -9. Amines             |                             | L-7. Alcohols, Phenols and ethers<br>L-8. Aldehyde, Ketone and Carboxylic Acid<br>L-10. Biomolecules | L-1. Solution<br>L-2. Electrochemistry<br>L-3. Chemical Kinetics |
| <u>AUGUST</u>  | <u>SEPTEMBER</u>            | <u>OCTOBER</u>   |  |
| L-4. d and f block elements<br>L-5. Co-ordination compound | ---PRACTICAL & PROJECT----- | -----REVISION-----   | -----REVISION-----   |

**Subject – Biology**

| <u>APRIL</u>  |                               | <u>MAY</u>  | <u>JULY</u>   |
|---|-------------------------------|---|---|
| L 1.Sexual reproduction in flowering plants<br>L 2 .Human Reproduction<br>L 3.Reproductive health<br>L 4.Principles of inheritance and variation<br>L5.Molecular basis of Inheritance |                               | L6.Evolution<br>L7.Human health and disease<br>L8.Microbes in Human welfare | L9.Biotechnology principles and processes<br>L10.Biotechnology and its application<br>L11.Organisms and populations |
| <u>AUGUST</u>   | <u>SEPTEMBER</u>              | <u>OCTOBER</u>  |   |
| L 12 : Ecosystem<br>L 13.Biodiversity and conservation  | -----PRACTICAL & PROJECT----- | -----REVISION-----  | -----REVISION-----  |

**SUBJECT – COMPUTER SCIENCE**

| <u>APRIL</u>  |   | <u>MAY</u>  | <u>JULY</u>  |
|---|---|---|--|
| *DBMS and working with MySQL<br>* Simple Queries in SQL | * Revision of Python Programming<br>* Functions | *Interface of Python with MySQL<br>* Networking , Network Topologies and Network Securities | * Exception Handling<br>* Introduction to files<br>1) Text file<br>2) Binary file<br>3) CSV file |
| <u>AUGUST</u>   | <u>SEPTEMBER</u>                                | <u>OCTOBER</u>  |  |
| * Data Structures                                       | -----REVISION-----                              | -----REVISION-----  | -----REVISION-----   |

**SUBJECT – HINDUSTANI VOCAL(MUSIC)**

| APRIL   |                                       | MAY   | JULY   |  |
|---|---------------------------------------|---|--|--|
| <p><b>1.1</b><br/>निम्नलिखित का संक्षिप्त अध्ययन: - अलंकार, कण, मींड, खटका, मुरकी, गमक।</p> <p><b>1.2</b><br/>निम्नलिखित ग्रामों का संक्षिप्त अध्ययन: मूर्च्छना, अलाप, तान।</p> <p><b>2.1</b> रागों के समय सिद्धांत का ऐतिहासिक विकास।</p> <p><b>4.1</b> पाठ्यक्रम की विहित तालों का वर्णन सहित ठाह, दुगुन, तिगुन और चौगुन का संकेतन: झपताल, रूपक और धमार ताल</p> |                                       | <p><b>5.1</b><br/>पाठ्यक्रम के निर्धारित रागों को स्वर लिपिबद्ध करें: भैरव, बागेश्री और मालकौंस।</p> <p><b>6.1</b><br/>पाठ्यक्रम में निर्धारित किसी दो रागों में स्वर विस्तार<br/><br/>और कुछ तानों के साथ एक विलम्बित ख्याल।</p> | <p><b>6.2</b><br/>निर्धारित रागों में से किसी एक में दुगुन और चौगुन के साथ एक तराना और एक धमार।</p> <p><b>6.3</b><br/>स्वर विस्तार और कुछ तानों के साथ एक द्रुतख्याल निम्नलिखित रागों में : भैरव, बागेश्री और मालकौंस।</p> |  |
| AUGUST  | SEPTEMBER                             | OCTOBER   | NOVEMBER   |  |
| <p><b>3.1</b><br/>निम्नलिखित का विस्तृत<br/>अध्ययन: संगीत रत्नाकर एवं संगीत पारिजात</p> <p><b>3.2</b><br/>निम्नलिखित का जीवन रेखाचित्र और योगदान: फैयाज़ खान, बड़े गुलाम अली खान, कृष्णा राव और शंकर पंडित।</p> <p><b>4.2</b><br/>तानपुरा को मिलाने की विधि।</p>  | <p>पुनःअभ्यास<br/><br/>(REVISION)</p> | <p>पुनःअभ्यास<br/><br/>(REVISION)</p>   | <p>पुनःअभ्यास<br/><br/>(REVISION)</p>  |  |

**Subject – Physical Education**

| <b><u>APRIL</u></b>                                |  | <b><u>MAY</u></b>   |   | <b><u>JULY</u></b> |  |
|--|--|---|---|--------------------|--|
| <b>Unit – I</b><br>* Management of sporting events | <b>Unit – II</b><br>* Children & Women in Sports | <b>Unit – III</b><br>* Yoga as preventive measure for life style disease<br><b>Unit – IV</b><br>* Physical Education and Sports for CWSN(Children with special needs-Divyang) | <b>Unit – V</b><br>* Sports & Nutrition<br><b>Unit – VI</b><br>* Test and Measurement in Sports |                    |  |

| <b><u>AUGUST</u></b>  |   | <b><u>SEPTEMBER</u></b>  |  | <b><u>OCTOBER</u></b> |                    |
|---|---|--|--|-----------------------|--------------------|
| <b>Unit – VII</b><br>* Physiology and Injuries in sports<br><b>Unit - VIII</b><br>* Biomechanics and Sports | <b>Unit –IX</b><br>* Psychology and Sports<br><b>Unit - X</b><br>* Training in sports | <b>Practical</b> <ul style="list-style-type: none"><li>• Any one game/Sport of choice of student out of Athletics, Basketball, Football, Handball, Hockey, Kho – Kho and Volleyball.</li></ul> |  |                       | -----REVISION----- |