

RANGOLI INTERNATIONAL SCHOOL

GRADE XII-Science

Monthly Split Up Syllabus (2026-27)

| Month | No of Working days | English | Physics | Chemistry | Biology | Mathematics | Computer Science | Physical Education |
|-----------|--------------------|--|---|------------------------------|---|--|--|---|
| Feb/March | 25 | Prose- 1. The Last Lesson 2. Lost Spring 3. Deep water Poem- 1. My Mother at sixty-six 2. Keeping Quiet Vistas- 1. The Third Level The Tiger King Writing- Notice writing | Chapter 1- Electric charge and field | UNIT 1: SOLUTIONS | Chapter-1: Sexual Reproduction in Flowering Plants | Chapter 2- Inverse Trigonometry Chapter 3- Matrices | | |
| April/May | 21+2 | Prose- 4. The Rattrap Poem- 2. A Thing of Beauty Writing- Article/Report Writing | * Chapter-2: Electrostatic Potential and Capacitance | UNIT 2: ELECTROCHEMISTRY | Chapter-2: Human Reproduction | Chapter 4- Determinants | Chapter 1 Exception Handling in Python Chapter 2 File Handling in Python | Ch 10: Training in Sports Ch 9: Psychology and Sports Ch 8: Biomechanics and Sports |
| June | 18 | Prose- 5. Indigo | * Chapter-3: Current Electricity | UNIT 3: CHEMICAL KINETICS | Chapter-3: Reproductive Health | Chapter 1- Relation & Function | Chapter 3 Stack | Ch 7: |

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| | | <p>Poem- A Roadside Stand</p> <p>Vistas- 1. The Enemy</p> <p>Writing- Letters (Formal)</p> | | | <p>Chapter-4: Principles of Inheritance and Variation Heredity and Variation</p> | | <p>Chapter 4 Queue</p> | <p>Physiology & Injuries in Sport</p> <p>Ch 6: Test & Measurement in Sports</p> |
| July | 26 | <p>Prose- 6. Poets and Pancakes</p> <p>Poem- Aunt Jennifer's Tigers</p> <p>Writing Formal/Informal Invitation</p> | <p>* Chapter-4: Moving Charges and Magnetism * Chapter-5: Magnetism and Matter</p> | <p>UNIT 4: d and f BLOCK</p> <p>UNIT 5: COORDINATIO N COMPOUNDS</p> | <p>Chapter-5: Molecular Basis of Inheritance</p> <p>Chapter- 6: Evolution</p> | <p>Chapter 5- Continuity and Differentiability Chapter 6- Application of Derivatives (Rate of Change, Increasing & Decreasing function)</p> | <p>Chapter 5 Sorting</p> <p>Chapter 6 Searching</p> <p>Chapter 7 Understanding Data</p> | <p>Ch 5: Sports & Nutrition</p> <p>Ch 4: Physical Education and Sports for CWSN (Children with Special Needs - Divyang)</p> <p>Ch 3: Yoga as Preventive measure for Lifestyle Disease</p> |
| August | 22 | <p>Vistas- On the Face of It</p> <p>Prose- 7. The Interview</p> | <p>* Chapter-6: Electromagnetic Induction * Chapter-7: Alternating Current * Chapter-8: Electromagnetic Waves</p> | <p>UNIT 6: HALOALKANE S AND HALOARENES</p> <p>UNIT 7: ALCOHOLS, PHENOLS AND ETHERS</p> | <p>Chapter-7: Human Health and Diseases Chapter-8: Microbes in Human Welfare Chapter-9: Biotechnology - Principles and Processes</p> | <p>Chapter 6- Application of Derivatives Cont.... (Maxima & Minima)</p> <p>Chapter 7- Integrals</p> <p>Chapter 8- Application of Integrals</p> | <p>Chapter 8 Database Concepts</p> <p>Chapter 9 Structured Query Language (SQL)</p> <p>Chapter 10 Computer Networks</p> | <p>Ch 2: Children & Women in Sports</p> |

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| September | 24 | Prose- 8. Going Places | * Chapter-9: Ray Optics and Optical Instruments Chapter-10: Wave Optics | UNIT 8: ALDEHYDES, KETONES AND CARBOXYLIC ACIDS UNIT 9: AMINES | Chapter-10: Biotechnology and its Applications Chapter-11: Organisms and Populations | Chapter 9- Differential Equations Chapter 10- Vector Algebra | Chapter 11 Data Communication | Ch 1: Management of Sporting Events |
| October | 23 | Vistas- Memories of Childhood | * Chapter-10: Wave Optics (cont.) Chapter-11: Dual Nature of Radiation and Matter Chapter 12- Atoms | UNIT 10: BIOMOLECULES | Chapter-12: Ecosystem Chapter-13: Biodiversity and its Conservation | Chapter 11-Three-Dimensional Geometry Chapter 12- LPP Chapter 13- Probability (conditional probability, independent events, Bayes Theorem) | Chapter 12 Security Aspects Chapter 13 Project Based Learning | REVISION AND VIVA |
| November | 12 | | * Chapter-13: Nuclei Chapter-14: Semiconductor Electronics: Materials, Devices, and Simple Circuits | REVISION | Review and Reteaching of difficult content/ Concepts. | Chapter 13- Probability cont... | | REVISION AND VIVA |
| December | 25 | | REVISION | REVISION | Special Intensive classes for all students. | REVISION | | REVISION AND VIVA |
| January | 22 | | REVISION | REVISION | Special Intensive classes for all students. | REVISION | | |

