**SGS DAV CENTENARY PUBLIC SCHOOL**

**HANUMANGARH TOWN (RAJ.)**

**CLASS:XII SCIENCE**

**SYLLABUS SPLIT-UP (SESSION 2019-20)**

**Subject: Physics**

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| **Month** | **Topic/Lesson** |
| **April** | Mathematical Tools  Electrostatics |
| **May** | Current Electricity (Continue) |
| **June** | Current Electricity |
| **July** | Magnetic Effects of Electric Current  Magnetism in Matter |
| **August** | Electromagnetic Induction  Alternating Current |
| **September** | Electromagnetic waves  Revision for Midterm Examination |
| **October** | Optics |
| **November** | Dual Nature of Matter and Radiation  Atom  Nuclei |
| **December** | Semiconductor |
| **January** | Revision |
| **February** | Revision |

**SUBJECT: - MATHEMATICS**

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| **April** | Ch.3 Matrices  Ch.4 Determinatation |
| **May** | Ch.1 Relation and Function  Ch.2 Inverse Trigonometry Function |
| **June** | Ch.5 Continuity and Differentiation |
| **July** | Ch.5- Continuity and Differentiation continue........  Revision of Ch. – 1,2,3,4,5 and Pre- midterm exam  Ch.6 Application of Derivative |
| **August** | Ch. 7 Integration  Ch. 8 Application of Integration |
| **September** | Revision and Mid-term Examination  Ch. 9 Differential Equation |
| **October** | Ch. 9 Differential Equation Cont.....  Ch. 10 Vector  Ch.11 3-Dimension Geometry |
| **November** | Ch.11 3-Dimension Geometry cont.......  Ch. 12 Linear Programming Problems  Ch. 13 Probability cont..... |
| **December** | Ch. 13 Probability  Post Mid-term Examination |
| **January** | Revision and pre board exam |
| **February** | Final Term Exam |

**SUBJECT: - CHEMISTRY**

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| **April** | Solution |
| **May** | Electrochemistry  Chemical Kinetics |
| **June** | Surface Chemistry |
| **July** | General Principles and Process of Isolation of Elements  P- Block elements  d-and f- Block elements |
| **August** | Coordination Compounds  Haloalkanes and Haloarenes |
| **September** | Alcohols.Phenols and Ethers |
| **October** | Aldehydes, Ketones and Carboxylic acids  Organic compounds containing Nitrogen |
| **November** | Biomolecules  Polymers |
| **December** | Chemistry in Everyday life |
| **January** | Revision |
| **February** | Revision |

**Subject: Biology**

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| **April** | Unit-1 Sexual Reproduction (Continue) |
| **May** | Unit-1 Sexual Reproduction |
| **June** | Unit-3 Biology and Human Welfare(Continue) |
| **July** | Unit-3 Biology and Human Welfare |
| **August** | Unit-2 Genetics and Evolution |
| **September** | Unit-5 Ecology(Continue)  Revision and Mid Term |
| **October** | Unit-5 Ecology |
| **November** | Unit- 4 Biotechnology (Continue) |
| **December** | Unit- 4 Biotechnology |
| **January** | Revision |
| **February** | Revision |

**Sub- Physical Education**

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| Month | Topic/ Activity | Topic/Lesson/Activity |
| April | Unit-I | Planning in Sports |
| Activity | Introduction of Fitness Test- AAHPER |
| May | Unit-II | Sports & Nutrition |
| Activity | Practice for all Items of AAHPER Test, Record File Preparation |
| June | Unit-III | Yoga & Lifestyle |
| Activity | Introduction of Asana, |
| July | Unit-IV | Physical Education & Sports for CWSN (Children With Special Needs - Divyang) |
| Activity | Procedure for Asanas, lifestyle disease- Obesity, Diabetes |
| August | Unit-V | Children & Women in Sports |
| Activity | Procedure for Asanas, lifestyle disease-Hypertension, Back Pain. |
| September | …………… | Revision, Practical Examination & Mid- Term Exam |
| October | Unit-VI | Test & Measurement in Sports |
|  | Activity | Game- Kho-Kho ( Labelled diagram of field, Equipment, Introduction & History) |
| November | Unit-VII | Physiology & Injuries in Sports , Biomechanics & Sports |
| Activity | Game- Kho-Kho ( Techniques, Rules, Terminologies & Skills) |
| December | Unit-I | Psychology & Sports |
| Activity | Procedure for administering Senior Citizen Fitness Test |
| January | Unit-I | Training in Sports |
| Activity | Practice of AAHPER Test, Asana, Game. |
| February | …………. | Pre-Board Exams & Practical Exam |
| March | …………… | Final Exam |

**Sub- Informatics Practices**

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| **Month** | **Name of Lesson/ Topic** |
| **April-June** | Unit-2 Basic Software Engineering |
| **July-August** | Unit-1 Data Handling |
| **September** | **Revision, Practical Examination & Mid- Term Exam** |
| **October-November** | Data Management (DM-2) |
| **December- January** | Unit 4: Society, Law and Ethics |
| **February** | Pre-Board Exams & Practical Exam |
| **March** | **Final Exam** |

**Sub- English Core**

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| **APRIL-**  PROSE  S.R  POEM  GRAMMAR | L.1 (The last lesson), L.2 (Lost Spring)  L.1 (The Third Level)  L.1. (Mother at sixty six)  Notice Writing, Note Making |
| **MAY-**  S.R  POEM  GRAMMAR | L.2 (The Tiger King)  L.2 (An Elementary school classroom in a area)  Letter Writing, Report Writing, Poster Making |
| **JUNE-**  PROSE  S.R  POEM  GRAMMAR | -  L.3 (Journey to the End of the Earth)  -  Notice Writing |
| **JULY-**  PROSE  S.R  POEM  GRAMMAR | L.3 (Deep Water), L.4 (The Rat Trap)  L.4 (The Enemy)  L.3 (Keeping Quite)  Invitation |
| **AUGUST-**  PROSE  S.R  GRAMMAR | L.5 (Indigo)  L.5 (Should Wizard Hit Mommy), L.6 (On the face of it)  Article & Speech Writing, Factual Description, Advertisement |
| **SEPTEMBER-** | Revision & Mid Term Examination |
| **OCTOBER**  PROSE  S.R  POEM | L.6 (Poets and Pancakes), L.7 (The Interview)  L.7 (Evans Tries on O-level)  L.4 (A Thing of Beauty) |
| **NOVEMBER-**  PROSE  POEM | L.8 (Going Places)  L.5 (A Roadside Stand) , L.6 (Aunt Jannifer’s Tigers) |
| **DECEMBER**  S.R | L.8 (Memories of Childhood)  Revision |
| **JANUARY-** | Revision and Pre-Board Exam |
| **FEBRUARY-** | Revision |

**Sub- Music**

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| **Month** | **Name of Lesson/ Topic** |
| **अप्रैल** | परिभाषा – वर्ण,मींड,स्वर,खटका,मुर्की,तान,पकड़,गमक,मुर्च्छना,आलाप  राग – बागे श्री  ताल – झप ताल |
| **मई** | परिभाषा – तराना,जमजमा  राग – भैरव (पूर्ण परिचय)  ताल – रूपक |
| **जुलाई** | ग्रन्थ परिचय – ‘संगीत पारिजात’ (पंडित अहोबल)  राग – बागे श्री (हारमोनियम,तबले के साथ अभ्यास)  ताल – धमार  संगीतज्ञ जीवनी – फैयाज़ खान, अब्दुल करीम खान |
| **अगस्त** | समय सिद्धांत – रागों का समय सिद्धांत  घराना – जयपुर,ग्वालियर,दिल्ली,बनारस,पटियाला  राग – मालकोश  ताल – धमार (हाथ पर अभ्यास)  संगीतज्ञ जीवनी – बड़े गुलाम अली खान |
| **सितम्बर** | अर्द्वार्षिक परीक्षा |
| **अक्टूबर** | राग वर्गीकरण – प्राचीनकाल, मध्यकाल, आधुनिककाल  ग्रन्थ परिचय – ‘संगीत रत्नाकर’  संगीतज्ञ जीवनी – पंडित कृष्ण राव शंकर  राग – भीम प्लासी  ताल – तिलवाड़ा, रूपक |
| **नवम्बर** | राग विशेषता – रागों की विशेषताएं  राग – बागे श्री, भीम प्लासी  ताल – झपताल, धमार (हाथ पर अभ्यास) |
| **दिसम्बर** | राग – रागों का अभ्यास  ताल – तालों का अभ्यास |
| **जनवरी** | पाठ्यक्रम की पुनरावृति |
| **फरवरी** | प्रायोगिक परीक्षा अभ्यास |