**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 ToolsElectrostatics |
| **May** | Current Electricity (Continue) |
| **June** | Current Electricity |
| **July** | Magnetic Effects of Electric CurrentMagnetism in Matter |
| **August** | Electromagnetic InductionAlternating Current |
| **September** | Electromagnetic wavesRevision for Midterm Examination |
| **October** | Optics |
| **November** | Dual Nature of Matter and RadiationAtomNuclei |
| **December** | Semiconductor |
| **January**  | Revision |
| **February** | Revision |

**SUBJECT: - MATHEMATICS**

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| **April** | Ch.3 MatricesCh.4 Determinatation  |
| **May** | Ch.1 Relation and FunctionCh.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 examCh.6 Application of Derivative |
| **August** |  Ch. 7 Integration Ch. 8 Application of Integration |
| **September** | Revision and Mid-term ExaminationCh. 9 Differential Equation  |
| **October** |  Ch. 9 Differential Equation Cont.....Ch. 10 VectorCh.11 3-Dimension Geometry |
| **November** |  Ch.11 3-Dimension Geometry cont.......Ch. 12 Linear Programming ProblemsCh. 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** | ElectrochemistryChemical Kinetics |
| **June** | Surface Chemistry |
| **July** | General Principles and Process of Isolation of ElementsP- Block elementsd-and f- Block elements |
| **August** |  Coordination CompoundsHaloalkanes and Haloarenes |
| **September** | Alcohols.Phenols and Ethers |
| **October** |  Aldehydes, Ketones and Carboxylic acidsOrganic 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-**PROSES.RPOEMGRAMMAR | 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.RPOEMGRAMMAR | L.2 (The Tiger King)L.2 (An Elementary school classroom in a area)Letter Writing, Report Writing, Poster Making |
| **JUNE-**PROSES.RPOEMGRAMMAR | -L.3 (Journey to the End of the Earth)-Notice Writing |
| **JULY-**PROSES.RPOEMGRAMMAR | L.3 (Deep Water), L.4 (The Rat Trap)L.4 (The Enemy)L.3 (Keeping Quite)Invitation |
| **AUGUST-**PROSES.RGRAMMAR | 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**PROSES.RPOEM | L.6 (Poets and Pancakes), L.7 (The Interview)L.7 (Evans Tries on O-level)L.4 (A Thing of Beauty) |
| **NOVEMBER-**PROSEPOEM | 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,आलापराग – बागे श्रीताल – 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 |