

Date:04.07.2022

Syllabus for duration: 04.07.2022 to 09.09.2022
Class: XII (Session: 2022-2023)

Dear Parent(s)

With the vision of 'Excellence in Education' and aim to accomplish triumph in the current transitional phase of learning for the young learners, RDPS continues to trail ahead towards the progressive session 2022-23. As vital stakeholders in teaching learning process of your ward, we look forward to your cooperation in holistic development of your ward.

Kindly note the syllabus for the duration (04.07.2022 to 09.09.2022) as given below:

Subject	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT/ Video links	Use of Labs/Activities
English	<p>Book- Flamingo L-4: The Rattrap L-5: Indigo L-6: Poets and Pancakes P-4: A Thing of Beauty P-5: A Roadside Stand P-6 Aunt Jennifer's Tigers</p> <p>Book-Vistas L-3: Journey to the end of the Earth L-4: The Enemy</p> <p>Writing Skills : Invitations and Replies Job Letter</p> <p>Reading Comprehension Unseen comprehension passage</p>	<p>Youtube video links: https://youtu.be/7_uJcEsDEr0 https://youtu.be/Kg8IidoHADg https://youtu.be/vSvt2WvNGEo https://youtu.be/DuzAKYcAeF0 https://youtu.be/IXDg9CThXUE https://youtu.be/48qcSYkdwk0 https://youtu.be/Q78COTwT7nE https://youtu.be/860LrXp3rw</p>	-
Mathematics	<p>Ch 6 : Application of Derivatives Ch 7 : Integrals Ch 8 : Application of Integrals Ch 9 : Differential Equations Ch 10 : Vector Algebra</p>	<p>Self-made PPT and Pdf files Chapterwise Video links : Chapter 6: https://youtu.be/Dubk-Okedhg Chapter 7 https://youtu.be/o75AqTInKDU https://youtu.be/DSL2zZiuHuA Chapter 8 https://youtu.be/EBfxiKQLnJ4 https://youtu.be/7WysE2JoDcq Chapter 9 https://youtu.be/PI4H3VkoQAK https://youtu.be/zwXMDqrWsEU Chapter 10 https://youtu.be/rd4Yhz35IIs</p>	<p>Activity 13: To understand the concepts of decreasing and increasing functions. Activity 15: To understand the concepts of absolute maximum and minimum values of a function in a given closed interval through its graph. Activity 16: To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner. Activity 20: To verify geometrically that $c \times (a + b) = c \times a + c \times b$ (where a , b & c are vectors).</p>

Subject	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT/ Video links	Use of Labs/Activities
Physics	1. Chapter - 4 Moving charges and magnetism 2. Chapter - 5 Magnetism and Matter 3. Chapter - 6 Electromagnetic Induction 4. Chapter - 7 Alternating Current 5. Chapter - 8 Electromagnetic Waves 6. Chapter - 9 Ray optics and optical instruments	3D Lab Chapter - 5 Magnetism and Matter Chapter - 6 Electromagnetic Induction Chapter - 7 Alternating Current Chapter - 8 Electromagnetic Waves Chapter - 9 Ray optics	1. To find the frequency of AC mains with a sonometer. 2 2. To find the value of v for different values of u in case of a concave mirror and to find the focal length. 3. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
Chemistry	Chapter - 3 Electrochemistry Chapter - 4 Chemical Kinetic Chapter - 14 Biomolecule Unit VIII: d and f Block Elements Unit IX: Coordination Compounds Unit XI: Alcohols, Phenols and Ethers	3-D Lab Unit VIII: d and f Block Elements Unit IX: Coordination Compounds Unit X: Haloalkanes and Haloarenes Unit XI: Alcohols, Phenols and Ethers	1: Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of R_f values. 2: Preparation of Organic Compound Aniline yellow or 2 - Naphthol Anilinedye 3: Tests for the functional groups present in organic compounds: Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups. 4: Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs. 5: Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum. Preparation of Potassium Ferric Oxalate.

Subject	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT/ Video links	Use of Labs/Activities
Biology	<p>Chapter-5 : From Dihybridcross to chromosomal aberration</p> <p>Unit-VII Genetics and Evolution(contd.)</p> <p>Chapter-6: Molecular Basis of Inheritance</p> <p>Chapter-7: Evolution</p> <p>Unit-VIII Biology and Human Welfare</p> <p>Chapter-8: Human Health and Diseases</p> <p>Chapter-10: Microbes in Human</p>	<p>3-D Lab</p> <p>Chapter-6</p> <p>Chapter-7</p> <p>Chapter-8</p> <p>Chapter-10</p>	<p>7. Prepare a temporary mount of onion root tip to study mitosis</p> <p>8. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.</p> <p>9. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.</p> <p>10. Mendelian inheritance using seeds of different colour/sizes of any plant.</p> <p>11. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.</p> <p>12. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.</p> <p>13. Flash cards models showing examples of homologous and analogous organs.</p>
Economics	<p>MACROECONOMICS:</p> <p>Unit 1: National income and related aggregates</p> <p>Unit 5: Balance of payments</p> <p>Unit 4 : Government Budget and the economy</p> <p>Indian Economic Development:</p> <p>Ch 6: Rural development</p> <p>Ch 9: Environment and sustainable development</p> <p>Ch 10: Employment</p>	<p>Youtube video links:</p> <p>https://www.youtube.com/watch?v=08qvZIMPntI</p> <p>https://youtu.be/I8iwCTNSp4c</p> <p>https://youtu.be/m2aq2lGI3_o</p> <p>https://youtu.be/b9SKbsuF50A</p> <p>https://youtu.be/OLwVRgGtbTA</p>	-

Subject	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT/ Video links	Use of Labs/Activities
History	Chapter 6:- Through the eye of travellers Chapter 6 :- Bhakti-Sufi tradition Chapter 7:- An Imperial Capital : Vijaynagara Chapter 8 :- Peasants, zamindars and the state Chapter 9 :- Colonialism and the countryside	https://youtu.be/zxZCWZqdIKo	
Physical Education	Unit V Sports & Nutrition Unit VI Test & Measurement in Sports Unit VII Physiology & Injuries in Sports	-	-
Business Studies	Book 1: Unit 5: Organising Unit 6: Staffing Unit 7: Directing Unit 8: Controlling	Unit 5: https://www.youtube.com/watch?v=XWTrrb-EFFk Unit 6: Staffing Business Studies Class 12 Term 2 Business Studies Animated Video Unit 7: Directing Business Studies Class 12 Unit 8: Controlling Business Studies Class 12	
Accountancy	Unit 2 : Accounting for Partnership Firms (a) Admission of partner (contd.) (b) Retirement / Death of a Partner (c) Dissolution of a Partnership Firm Unit 3 : Accounting for Companies 1. Accounting for Share Capital	https://drive.google.com/drive/folders/19TfrB96volWIcYMjlwsS5i8eMCEgnFwK?usp=sharing	

Subject	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT/ Video links	Use of Labs/Activities
Political Science	Book: Contemporary World Politics Ch-5 Contemporary South Asia Ch-6 U.N and its organisation Ch-7 Security in the contemporary world Book: Politics in India since Independence. Ch-4 India's foreign policy Ch-5 Parties and party system in India	Contemporary World Politics https://www.youtube.com/watch?v=nnwbT2eN9OQ https://studywithmanish.blogspot.com/2021/01/introduction-after-collapse-of.html Politics in India since Independence https://studywithmanish.blogspot.com/2021/12/parties-and-party-system-in-india-ppt.html https://studywithmanish.blogspot.com/2021/02/indias-foreign-policy-class-12th.html	
Computer Science	Ch4 Data Structure, Ch5 Relational Database and SQL, Interface Python with SQL	Practical implementation of programs.	Programs related to Data Structure and SQL

Holidays

Date & Day	Holidays
11 th August 2022 (Thursday)	Raksha Bhandhan
15 th August 2022 (Monday)	Independence Day
19 th August 2022 (Friday)	Janmashtami

Note: The syllabus is tentative in nature and may be revised depending upon the CBSE guidelines. Half Yearly Exam will be conducted from 12.09.2022 onwards tentatively. Datesheet and other details will be provided later.

Regards

Dr. Praveen Gupta

(Principal)