

ST. COLUMBUS SCHOOL
DAYAL BAGH, FBD.
SYLLABUS OF CLASS XII - SCIENCE (2024-25)

Subject – English

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

Subject – Maths

<u>APRIL</u>		<u>MAY</u>	<u>JULY</u>	
L2. Inverse Trigonometric Functions	L3. Matrices L4. Determinants	L5. Continuity and Differentiability L6. Applications of derivative L12. Linear Programming	L7. Definite Integration L7. Indefinite Integration L8. Application of Integration	
<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>OCTOBER</u>	<u>NOVEMBER</u>	<u>DECEMBER</u>
L1. Relation and Functions L9. Differential Equations L10. Vector Algebra	L11.3-Dimensional Geometry	L13. Probability	----REVISION--	----REVISION--

Subject – Physics

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

Subject – Chemistry

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

Subject – Biology

<u>APRIL</u>		<u>MAY</u>	<u>JULY</u>
L2.Sexual reproduction in flowering plants L3.Human Reproduction	L4.Reproductive health L5.Principles of inheritance and variation	L6.Molecular basis of Inheritance L7.Evolution L8.Human health and disease	L10.Microbes in Human welfare L11.Biotechnology principles and processes
<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>OCTOBER</u>	
L12.Biotechnology and its application L13.Organisms and populations	L 14 : Ecosystem L 15.Biodiversity and conservation	-----REVISION-----	-----REVISION-----

SUBJECT – COMPUTER SCIENCE

<u>APRIL</u>		<u>MAY</u>	<u>JULY</u>
* Revision of Python Programming I	* Functions * Data file handling 1)Text file	* Data file handling 1) Text file 2) Binary file 3) CSV file *Relational Database & SQL	*Relational Database & SQL * Exception Handling
<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>OCTOBER</u>	
* Data Structures *Interface of Python with MySQL * Computer Network	-----REVISION-----	-----REVISION-----	-----REVISION-----

Subject – Physical Education

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

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