



ST. FROEBEL SENIOR SECONDARY SCHOOL

A-3 BLOCK, PASCHIM VIHAR, NEW DELHI-110063

SYLLABUS: 2017-18

SCIENCE

CLASS – XII

SUBJECT	MID TERM	FINAL TERM
English Books	<p>READING SKILLS</p> <ol style="list-style-type: none"> Unfamiliar comprehension passages Notes – making (passages) <p>ADVANCED WRITING SKILLS</p> <ol style="list-style-type: none"> Short Compositions <ol style="list-style-type: none"> Classified and commercial ads. Notice Writing Posters Long compositions <ol style="list-style-type: none"> Article Writing Speech/Debate Letter Writing Report Writing <p>LITERATURE (Text Book)</p> <ol style="list-style-type: none"> Flamingo : Prose Lesson No. 1, 2, 3, 4 Poems No. 1, 2, 3 VISTAS Lesson No. 2, 4, 5 The invisible Man Lesson No. 1 to 28 	<p>READING SKILLS</p> <ol style="list-style-type: none"> Unseen comprehension passages Notes – making passages <p>ADVANCED WRITING SKILLS</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> Short Compositions (Revision of previous term) Invitations and replies Long compositions <ol style="list-style-type: none"> Article Writing Letter Writing Speech/debate Report Writing <p>LITERATURE (Text Book)</p> <ol style="list-style-type: none"> Flamingo : Prose Lesson No. 5, 8 Poems No. 4, 6 VISTAS Lesson No. 6, 7, 8 The invisible Man Lesson No. 1 to 28
Maths	Matrices & Determinates Inverse Trigo, Derivative, Application of Derivatives,	Definite Integral , Application of Integral Vectors, 3D, Diff. Equation, Relations & Functions,

	L.P.P., Indefinite Integral	Probability
BIOLOGY	Unit – 1: Reproduction Chapter 1 – Reproduction in organisms Chapter 2 – Sexual Reproduction in flowering plants Chapter 3 – Human Reproduction Chapter 4 – Reproductive Health Unit – 2: Genetics and Evolution Chapter 5 – Principles of Inheritance and Variation Chapter 6 – Molecular basis of inheritance Chapter 7 - Evolution	Unit – 3: Biology and Human Welfare Chapter 8 – Human Health and Disease Chapter 9 – Strategies for enhancement in Food Production Chapter 10 – Microbes in Human Welfare Unit – 4: Biotechnology and its application Chapter 11 – Biotechnology : Principles and Processes Chapter 12 - Applications of Biotechnology Unit – 5: Ecology and Environment Chapter 13 – Organisms and Population Chapter 14 - Ecosystem Chapter 15 – Biodiversity and Conservation Chapter 16 – Environmental Issues
Chemistry	Solid State, Solutions, Electrochemistry, Chemical Kinetics, Surface Chemistry, General Principles, p-Block Elements, d- and f-Block Elements, Co-ordination Compounds	Haloalkanes and Haloarenes; Alcohols, Phenols and Ethers; Aldehydes, Ketones and Carboxylic acids; organic compounds containing N; Biomolecules; Polymers; chemistry in Everyday life.
Physics	1. Electric Charges and Fields 2. Electrostatic Potential and Capacitances 3. Current Electricity 4. Moving Charges and magnetism 5. Magnetism & Matter	6. Electromagnetic Induction 7. Ray-optics and optical instruments 8. Alternating Current 9. Electromagnetic Waves 10. Wave optics 11. Dual Nature of radiation and matter 12. Atoms 13. Nuclei 14. Semi conductors Material & devices 15. Communication systems

Computer Sc.	Unit-1: Ch-1 – Review of Python Ch-2 – Concepts of Object Oriented Programming Ch-3 – Classes in Python Ch-4 – Inheritance Unit-3: Ch-1 – Database Concepts & SQL Ch-2 – Structured Query Language	Unit-2: Ch-1 – Linear List Manipulation Ch-2 – Stacks and Queues in Lists Ch-3 – Data File Handling Ch-4 – Exception Handling & Generator Functions Unit-4: Ch-1 – Boolean Algebra Ch-2 – Boolean Functions & Reduce Forms Ch-3 – Application of Boolean Logic Unit-5: Ch-1 – Networking Concepts Part-I Ch-2 – Networking Concepts Part-II Ch-3 – Networking Protocols Ch-4 – Mobile TeleCommunications, Technologies, Network Security & Internet Services.
Physical Education	1) Adventure sports and leadership training 2) Sports & Nutrition 3) Planning in sports 4) Postures 5) Children and sports 6) Women & Sports	7) Test and Measurement in sports 8) Physiology and sports 9) Sports Medicine 10) Biomechanics and sports 11) Psychology and sports 12) Training in Sports