

Class -XII
Subject: Biology

SL no	CHAPTER	LINKS
	Unit VI: Reproduction	MARK 14
1	Reproduction in Organisms	https://www.youtube.com/watch?v=uLXz1PLgCGg
2	Sexual Reproduction in Flowering Plants	https://www.youtube.com/watch?v=6UXGobXdZGA
3	Human Reproduction	https://www.youtube.com/watch?v=Lbv6WbjlQW0
4	Reproductive Health	https://www.youtube.com/watch?v=NShd2e6m568
	Unit VII: Genetics and Evolution	MARK 18
5	Principles of Inheritance and Variation	https://www.youtube.com/watch?v=agUgUIJQ1pk
6	Molecular Basis of Inheritance	https://www.youtube.com/watch?v=1xXeTccA-w https://www.youtube.com/watch?v=XNdvpefKaYk
7	Evolution	https://www.youtube.com/watch?v=RTX9si5RBb0
	Unit VIII: Biology and Human Welfare	MARK 14
8	Human Health and Diseases	https://www.youtube.com/watch?v=YA9Kil7gW5Q https://youtu.be/AwlSyM1L8N4
9	Strategies for Enhancement in Food Production	https://www.youtube.com/watch?v=Ha_plbPM_VE
10	Microbes in Human Welfare	https://www.youtube.com/watch?v=65sh_0kBuM8
	Unit IX: Biotechnology and its Application	MARK 10
11	Biotechnology – Principles and Processes	https://www.youtube.com/watch?v=TQRL9JnYkA4
12	Biotechnology and its Application	https://www.youtube.com/watch?v=xF7F3kJmuQ
	Unit X: Ecology and Environment	MARK 14
13	Organisms and Populations	https://www.youtube.com/watch?v=L68S1t9XVgE
14	Ecosystem	https://www.youtube.com/watch?v=ZbVkJrlaJ4
15	Biodiversity and its Conservation	https://www.youtube.com/watch?v=pfPR0siCG0k
16	Environmental Issues	https://www.youtube.com/watch?v=4GiZjiowSRw

Class -XII
Subject: Chemistry

Unit-1: Solid State	Part-I	https://www.youtube.com/watch?v=RcG9e2Bg3eE&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=21&t=14s
	Part-II	https://www.youtube.com/watch?v=KZDUJulaAWw&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=20&t=714s
Unit -2: Solution		https://www.youtube.com/watch?v=1VEICP7_GfI&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=19&t=3609s
Unit-3: Electrochemistry		https://www.youtube.com/watch?v=paRg8Q9Y1t8&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=18&t=13s
Unit-4: Chemical Kinetics		https://www.youtube.com/watch?v=602063cqzU&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=17&t=175s
Unit -5: Surface Chemistry	Part-I	https://www.youtube.com/watch?v=2cCiOvm44q4&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=16&t=0s
	Part-II	https://www.youtube.com/watch?v=-YtNNph4qIM&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=15&t=0s
Unit -6: General Principles and Process of Isolation of Elements		https://www.youtube.com/watch?v=QalAQq_Z14&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=14&t=0s
Unit -7: P-Block Elements	Part-I	https://www.youtube.com/watch?v=kNFXJxX72uY&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=13&t=0s
	Part-II	https://www.youtube.com/watch?v=Xvt11injjIA&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=12&t=0s
Unit-8: d & f Block Elements	Part-I	https://www.youtube.com/watch?v=LzZWHSdYaxw&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=11&t=287s
	Part-II	https://www.youtube.com/watch?v=w3e0Zpz1iZw&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=10&t=41s
Unit-9: Coordination Compounds		https://www.youtube.com/watch?v=53z1EiflKNI&list=PLNz32RYOjBerucfu000AYlqZdRU1duNXQ&index=9&t=1025s

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Subject: Physics

<u>UNITS</u>		<u>WEBLINKS</u>
Unit 1. Electrostatics	Part 1	https://www.youtube.com/watch?v=5JZjEmJqtus&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=19
	Part 2	https://www.youtube.com/watch?v=jeLUsBz0XIM&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=18
	Part 3	https://www.youtube.com/watch?v=5id9XWSaS4g&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=17
	Part 4	https://www.youtube.com/watch?v=bAb4Yt0NR7w&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=16
Unit 2. Current Electricity		https://www.youtube.com/watch?v=_7V9rjkE5YQ&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=15
Unit 3. Magnetic Effect of Current and Magnetism	Part 1	https://www.youtube.com/watch?v=8zKTFwlzXhM&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=14
	Part 2	https://www.youtube.com/watch?v=96mfIZXJjcA&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=13
Unit 4. Electromagnetic Induction and Alternating Currents	Part 1	https://www.youtube.com/watch?v=GtjtpSAD-w0&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=12
	Part 2	https://www.youtube.com/watch?v=DZv-F_XtJ68&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=11
Unit 5. Electromagnetic Waves		https://www.youtube.com/watch?v=p0AwOTqgTTk&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=10
Unit 6. Optics	Part 1	https://www.youtube.com/watch?v=ZlcLscYRG4M&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=9
	Part 2	https://www.youtube.com/watch?v=hcNrcXxijvo&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=8
	Part 3	https://www.youtube.com/watch?v=hgyWISROhSA&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=7
Unit 7. Dual nature of radiation and Matter		https://www.youtube.com/watch?v=6snnsNjhD24&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=6
Unit 8. Atoms and Nuclei	Part 1	https://www.youtube.com/watch?v=mBCqywZ-eXg&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=5
	Part 2	https://www.youtube.com/watch?v=uVecxztTxz0&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=4
Unit 9. Electronic Devices	Part 1	https://www.youtube.com/watch?v=EaP2qHdfJUs&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=3
	Part 2	https://www.youtube.com/watch?v=aFdpYFJlgdc&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=2
Unit 10. Communication Systems		https://www.youtube.com/watch?v=hMd kfZmu5YY&list=PLNz32RYOjBepdhGCSA5OoVPha83vKJePI&index=1

Class -XII
Subject: Mathematics

CHAPTER/MARK	TOPIC COVERED	WEblink for Conceptual Study
1: RELATION AND FUNCTIONS (5 marks)	1.1 Relation	https://youtu.be/bzJs4H1ufaw
	1.2 Types of relations	
	1.3 TYPES OF FUNCTIONS	
	1.4 COMPOSITION OF FUNCTIONS AND INVERTIBLE FUNCTIONS	
	1.4 BINARY OPERATIONS	
2: INVERSE TRIGONOMETRIC FUNCTIONS (5 marks)	2.1 INTRODUCTION AND BASIC CONCEPTS	https://youtu.be/tQDCgaAZ-EU
	2.2 PROPERTIES OF INVERSE TRIGONOMETRIC FUNCTIONS	
3: MATRICES (7 marks)	3.1 MATRIX AND TYPES OF MATRICES	https://youtu.be/lSJbrBrHzn0
	3.2 OPERATIONS ON MATRICES	
	3.3 TRANSPOSE OF A MATRIX	
	3.4 SYMMETRIC AND SKEW SYMMETRIC MATRICES	
	3.5 ELEMENTARY TRANSFORMATION OF A MATRIX	
	3.6 INVERTIBLE MATRICES	
4: DETERMINANTS (6 marks)	4.1 DETERMINANT (INTRODUCTION)	https://youtu.be/BZ1tT7Lod5M
	4.2 PROPERTIES OF DETERMINANTS	
	4.3 AREA OF A TRIANGLE	
	4.4 MINORS AND COFACTORS	
	4.5 ADJOINT AND INVERSE OF A MATRIX	
	4.6 APPLICATION OF DETERMINANTS AND MATRICES	
5: CONTINUITY AND DIFFERENTIABILITY (10 marks)	5.1 CONTINUITY	https://youtu.be/uahqLcCaiNs
	5.2 DIFFERENTIABILITY	
	5.3 EXPONENTIAL AND LOGARITHMIC FUNCTIONS	
	5.4 LOGARITHMIC DIFFERENTIATION	
	5.5 DERIVATIVES OF PARAMETRIC FUNCTIONS	
	5.6 SECOND ORDER DERIVATIVE	
	5.7 MEAN VALUE THEOREM	
6: APPLICATION OF DERIVATIVES (8 marks)	6.1 RATE OF CHANGE OF QUANTITIES	https://youtu.be/gf8WO4qem0Y
	6.2 INCREASING AND DECREASING FUNCTIONS	
	6.3 TANGENTS AND NORMAL	
	6.4 APPROXIMATIONS	
	6.5 MAXIMA AND MINIMA	
7: INTEGRALS (14 MARKS)	7.1 INTRODUCTION	https://youtu.be/lROu1XoGoYQ
	7.2 INTEGRATION AS AN INVERSE PROCESS OF DIFFERENTIATION	
	7.3 METHODS OF INTEGRATION	
	7.4 INTEGRALS OF SOME PARTICULAR FUNCTIONS	
	7.5 INTEGRATION BY PARTIAL FRACTION	
	7.6 INTEGRATION BY PARTS	
	7.7 DEFINITE INTEGRALS	
	7.8 FUNDAMENTAL THEOREM OF CALCULUS	

	7.9 EVALUATION OF DEFINITE INTEGRALS BY SUBSTITUTION 7.10 SOME PROPERTIES OF DEFINITE INTEGRALS	
8: APPLICATION OF INTEGRALS (4 MARKS)	8.1 INTRODUCTION 8.2 AREA UNDER SIMPLE CURVES 8.3 AREA BETWEEN TWO CURVES	https://youtu.be/TBD_adLmgeg
9:DIFFERENTIAL EQUATIONS (8 MARKS)	9.1 INTRODUCTION 9.2 GENERAL AND PARTICULAR SOLUTIONS OF A DIFFERENTIAL EQUATION 9.3 FORMATION OF A DIFFERENTIAL EQUATION 9.4 METHODS OF SOLVING FIRST ORDER, FIRST DEGREE DIFFERENTIAL EQUATION	https://youtu.be/qZ9ssqQ9nwA
10: VECTOR ALGEBRA (8 MARKS)	10.1 INTRODUCTION 10.2 TYPES OF VECTORS 10.3 ADDITION OF VECTORS 10.4 MULTIPLICATION OF A VECTOR BY A SCALAR 10.5 PRODUCT OF TWO VECTORS	https://youtu.be/xuK4YNtP4oQ
11: THREE DIMENSIONAL GEOMETRY (9 MARKS)	11.1 INTRODUCTION 11.2 DIRECTION COSINES AND DIRECTION RATIOS OF A LINE 11.3 EQUATION OF A LINE IN SPACE 11.4 ANGLE BETWEEN TWO LINES 11.5 SHORTEST DISTANCE BETWEEN TWO LINES 11.6 PLANE 11.7 COPLANARITY OF TWO LINES 11.8 ANGLE BETWEEN TWO PLANES 11.9 DISTANCE OF A POINT FROM A PLANE 11.10 ANGLE BETWEEN A LINE AND A PLANE	https://youtu.be/q5BR40ZJ4xM
12: LINEAR PROGRAMMING (6 MARKS)	12.1 INTRODUCTION 12.2 LINEAR PROGRAMMING PROBLEM AND ITS MATHEMATICAL FORMULATION 12.3 DIFFERENT TYPES OF LINEAR PROGRAMMING PROBLEMS	https://youtu.be/4PBUH9WFELo
13: PROBABILITY (10 MARKS)	13.1 INTRODUCTION 13.2 CONDITIONAL PROBABILITY 13.3 MULTIPLICATION THEOREM ON PROBABILITY 13.4 INDEPENDENT EVENTS 13.5 BAYES' THEOREM 13.6 RANDOM VARIABLE AND ITS PROBABILITY DISTRIBUTION 13.7 BERNOULLI TRIALS AND BINOMIAL DISTRIBUTION	https://youtu.be/9qQ9wD29z4c

Note: For complete textual solutions please download the App from the Link:

https://play.google.com/store/apps/details?id=com.studentzoneapps.mathsncretclass_12