

# LOVE DALE RESIDENTIAL SCHOOL (SENIOR SECONDARY)

YEAR PLAN 2024-25

Class : XI SCIENCE

MATHEMATICS

MONTH	CHAPTER	ACTIVITIES
MAY & JUNE	Chapter1: Relations and Functions. Chapter:2 Inverse Trigonometric Functions. Chapter3 : Matrices.	To verify that the relation R in set L of all perpendicular lines is symmetric but neither reflexive
JULY	Chapter 4: Determinants Chapter 5: Continuity and Differentiability	To find analytically the limit of a function $f(x)$ at $x=c$ and also to check the continuity of function at that point. Periodic Test -1
AUGUST	Chapter 6. Application of derivatives. Chapter 7. Integrals.	To understand the concepts of decreasing and increasing function. Unit Test -1
SEPTEMBER	Chapter 8: Application of integrals. Chapter 9. Differential Equations	To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.
OCTOBER	Chapter10: Vectors Chapter11: Three Dimensional Geometry	To locate the points to give coordinates in space, measure distance between 2 points in space and verify distance using distance formula. First Term Examination
NOVEMBER	Chapter11: 3D Geometry (cont....) Chapter12: LPP	
DECEMBER	Chapter: Probability	To explain conditional probability through an example of throwing a pair of dice. Revision