

Vasant Valley Public School, Ladda
Syllabus of Term 1 for Class 11 (Session 2021-22)
Subject: Applied Mathematics

Unit No.	Unit Name	Contents
1	Numbers, Quantification and Numerical Application	Binary Numbers, Indices, Logarithm and Antilogarithm, Laws and Properties of Logarithms, Simple applications of logarithm and antilogarithm, Averages, Clock, Calendar, Time, Work and Distance, Mensuration, Seating Arrangement
2	Algebra	Introduction to sets - definition, Representation of sets, Types of sets and their notations, subsets, Intervals, Venn Diagrams, Operations on sets, Ordered Pairs, Cartesian Product of two sets, Relations, Types of Relations, Sequences and Series, Arithmetic Progression, Geometric Progression, Application of AP and GP
3	Mathematical and Logical Reasoning	Mathematical Reasoning, Logical Reasoning
4	Calculus	Functions, Domain and Range of a function, Types of functions, Graphical representation of functions
6	Descriptive Statistics	Types of Data, Data on various scales, Data representation and data visualization, Data Interpretation: Measure of Dispersion, Skewness and Kurtosis, Percentile rank and Quartile rank, Correlation