

ARMY PUBLIC SCHOOL, MUMBAI (2019-2020)
STANDARD CURRICULUM

CLASS:XII

SUB: MATHEMATICS

<u>SNO</u>	<u>MONTH</u>	<u>CHAPTER NAME</u>	<u>CORE VALUES</u>	<u>VALUES AND SKILLS</u>	<u>ACTIVITY</u>
1.	April	Relations and functions	Self awareness	Confidence and motivation	Practice of high order thinking skills (hots) questions.
2.	June	Inverse trigonometric functions	Team work	Courage	Discussion on use of trigonometry in architecture.
3.	July	Matrices	Environmental awareness	Understanding	Discussion on application of matrices.
4.	August	determinants and continuity - differentiability	Patriotism and nationalism	Loyalty, honesty and bravery	Discussions on contribution of indian mathematicians.
5.	September	Applications of derivatives and integration	Discipline and diligence	Hardwork and sincerity	Group discussion on use of derivatives in physics.
6.	October	Definite integrals and area bounded under the regions	Diversity and togetherness	Unity and teamwork	Explanation on use of integrals in forensic science
7.	November	Differential equations and vectors	Gender sensitivity	Respect	Explation of difference between equations, expressions and inequalities
8.	December	Three dimension coordinate geometry and linear programming	Perseverance	Patience and faith	Hots questions and discussions on use of 3d coordinate geometry in real life.
9	January	Linear programming (cont) and probability	Effective communication	Intellegence and public speaking	Real life problem solving of questions using probability.