

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

**CLASS: XI**

**SUB: MATHEMATICS**

<b><u>S. NO</u></b>	<b><u>MONTH</u></b>	<b><u>CHAPTER NAME</u></b>	<b><u>CORE VALUES</u></b>	<b><u>VALUES AND SKILLS</u></b>	<b><u>ACTIVITIES</u></b>
1.	June	Sets,relations and functions	Self awareness	Confidence and motivation	Discussion of sets and relation function in our lives
2.	July	Trigonometric functions,principle of mathematical induction	Team work	Courage	Group discussion on real life use of trigonometry
3.	August	Complex numbers,quadratic equations, linear inequalities	Environmental awareness	Understanding	Explanation on need of complex numbers
4.	September	Permutations and combinations binomial theorem	Patriotism and nationalism	Loyalty, honesty and bravery	Problem solving on permutation and combinations based on different situations
5.	October	Sequence and series ,straight line	Discipline and diligence	Hard work and sincerity	Explanation on difference between sequence and series and properties of straight lines
6.	November	Conic sections,introduction to three dimensional geometry,limits and derivatives	Diversity and togetherness	Unity and teamwork	Explanation on deep understanding of different shapes of conic Section with figures drawn
7.	December	Limits and derivatives (contd) mathematical reasoning	Gender sensitivity	Respect	Explanation cum discussion on limits use
8.	January	Statistics,probability	Perseverance	Patience and faith	HOTS question solving on statistics and assignment on probability