

**SAT PREP**



**ADDITIONAL MATHEMATICS**

## **YOUR ADDITIONAL MATHEMATICS JOURNEY AT SAT PREP**

The **Additional Mathematics** at SAT PREP starts with a diagnostic test of prior knowledge. After the student takes the diagnostic test mentor analyze the results. Based upon the results the personalized **Additional Mathematics** coaching plan is designed. This includes a minimum of two lectures in a week. The entire program is eighteen months long. However, based upon the grasping of the student and the time available on hand, this time can be increased to add more sessions and speed up the learning process.

The first twelve-month coaching sessions include understanding of concepts and complete syllabus. In-depth practice material is provided for each concept. In the next two month the student is equipped with the required skills. So there is section wise practice and time wise practice in the entire two-month. The students are taught speed building skills in the fourteen-month, which are a must for **Additional Mathematics**.

The last four-month is designed for testing and reviews. Each and every error of the student is analyzed to ensure that the mistakes are not repeated in the actual test. By this time we also conduct an interaction with parents to inform them about the progress of the student. For any other query please feel free to discuss with us.

## Additional Mathematics Planner

S.No.	Month	Unit	Topic	Remark
1.	First & Second		Function Quadratics Indices and Surds Simultaneous Equations Sequence and Series	
2	Third & Fourth		Factors of Polynomials Logarithms and Exponential Functions Straight Line Graphs Circular Measure	
3.	Fifth , to Eight		Trigonometry Permutations and Combinations Binomial Expansion Vectors	
4.	Nine to Twelve		Differentiation Applications of derivative Integration Further differentiation and Integration Applications of Differentiation and Integration to kinematics	
5.	Thirteen to Fourteen		Topic wise revision from past papers	
6.	Fifteen to Eighteen		Full length past paper and MOCK	

## **Syllabus aims**

The aims of the syllabus listed below are not in order of priority.

The aims are to enable candidates to:

- consolidate and extend their elementary mathematical skills, and use these in the context of more advanced techniques.
- further develop their knowledge of mathematical concepts and principles, and use this knowledge for problem solving.
- appreciate the interconnectedness of mathematical knowledge.
- acquire a suitable foundation in mathematics for further study in the subject or in mathematics related subjects.
- devise mathematical arguments and use and present them precisely and logically.
- integrate information technology (IT) to enhance the mathematical experience.
- develop the confidence to apply their mathematical skills and knowledge in appropriate situations.
- develop creativity and perseverance in the approach to problem solving.
- derive enjoyment and satisfaction from engaging in mathematical pursuits, and gain an appreciation of the beauty, power and usefulness of mathematics.

## **Assessment objectives**

The examination will test the ability of candidates to:

- recall and use manipulative technique
- interpret and use mathematical data, symbols and terminology
- comprehend numerical, algebraic and spatial concepts and relationships
- recognize the appropriate mathematical procedure for a given situation
- formulates problems into mathematical terms and select and apply appropriate techniques of solution.

Any of the above objectives can be assessed in any question in Papers 1 and 2.

## Assessment at a glance

All candidates will take two written papers.

The syllabus content will be assessed by Paper 1 and Paper 2.

Paper Duration Marks

<b>Paper 1</b>	<b>Duration</b>	<b>Marks</b>
10–12 questions of various lengths	2 hours	80

No choice of question.

<b>Paper 2</b>	<b>Duration</b>	<b>Marks</b>
10–12 questions of various lengths	2 hours	80

No choice of question.

Grades A\* to E will be available for candidates who achieve the required standards. Since there is no Core Curriculum for this syllabus, Grades F and G will not be available. Therefore, candidates who do not achieve the minimum mark for Grade E will be unclassified

