Syllabus – HAAS CAA Placement Test	
Mathematics	

Topics:

Module I: Linear Algebra

1	**Simultaneous Equations** Solve systems of linear equations using methods such as substitution, elimination, and matrices.
	Straight Line Analyze the equation of a straight line, including slope, intercepts, and distance between two points.

Module II: Trigonometry and Geometry

2	**Basic Trigonometry** Introduction to trigonometric functions, identities, and applications in problem-solving.
	Percentage Understanding percentage calculations, including percentage increase/decrease and practical applications.

Module III: Arithmetic and Applied Mathematics

3	**Speed, Distance, and Time** Solve problems involving the relationship between speed, distance, and time using algebraic methods.
	Sequence and Series Explore arithmetic and geometric sequences and series, including formulas for the nth term and sum.

Module IV: Probability

4	**Probability** Introduction to probability concepts, including probability of single and multiple events and their applications.

Module V: Statistics and Data Handling

5	**Mean, Median, and Mode** Calculate and interpret measures of central tendency (mean, median, mode) from a given data set.
	Data Handling Organize, summarize, and interpret data using graphical and numerical methods for better understanding.