## Course Content

The third term begins by looking at number basics such as arithmetic, sequences, estimation, and approximating numbers to integers, etc. Then there'll be a focus on standard/scientific notations ratio and proportions and extending this concept to percentages. After that will study distance, time and speed as basics of 'Kinematics'. This will cover the first content/topic from IGCSE extended maths called 'Number'. Now we will move on to learn algebra - skills of simplifications, equation/simultaneous equations solutions, problem solving by equations in a single variable with degree one. Onwards students will study quadratic equations and their solutions methods along with word problems as practical implication of algebra in day today life. This will cover the second topic of the syllabus called 'Algebra 1'. So overall this term students will grip on two basic topics out of the total ten topics of their syllabus of IGCSE Extended Mathematics.

## Resources

1. Textbook, Cambridge/Oxford University Press: IGCSE Extended Maths;
2. Section 1: Numbers – Arithmetic, number facts, estimation, standard form, ratio and proportions, percentages, distance-speed-time.
3. Section 2: Algebra 2 – Formulae, brackets, simplifications, linear equations, simultaneous equations, quadratic equations, problem-solving.
4. School Base and www.myimaths.com for online h/w.
5. Further resources and links will be posted on School Base/Google Classroom.

## Assessment

- Homework and assignments: 20%
- Quizzes: 30%
- Term exam: 50%