



Course Content

Term 3 of the Year 10 mathematics course will cover the fifth and sixth units of the Cambridge IGCSE Mathematics coursebook, *Complete Mathematics for Cambridge IGCSE (Extended)*. The sixth unit, *Trigonometry*, will involve applying Pythagoras' theorem and the sine, cosine, and tangent ratios for acute angles to calculate the sides of right-angled triangles, as well as sketching and interpreting graphs of simple trigonometric functions, and using the sine and cosine rules to solve problems. The sixth unit, *Graphs*, will expand upon the foundation laid by the KS2 *Cambridge Checkpoint* course on graphs, and introduce new material such as the equation of a straight line on a graph, differentiation and derivative functions, and turning points on a graph.

Resources

1. Complete Mathematics for Cambridge IGCSE (Extended), Oxford University Press:
Unit 6 *Trigonometry* to unit 7 *Graphs*; pages 208 - 279
2. www.myimaths.com (website)
3. www.dr frostmaths.com (website)
4. www.savemyexams.com (website)

Assessment

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