



Year 10

Steps to Success Presentation

Mathematics

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Introduction to Mathematics

Mathematics

GCSE

AQA Higher Tier (3-9)/ OCR Foundation Tier (1-5)



Course Outline

Year 10:

Similarity

Developing algebra

Geometry

Proportions and proportional change

Delving into data

Using Number

Expressions

Year 11:

Graphs

Algebra

Reasoning

Communication

Revision



Assessment

External

GCSE AQA Higher Tier (Grades 3 to 9):

Paper 1 – Non - calculator 80 marks

Paper 2 – Calculator 80 marks

Paper 3 – Calculator 80 marks

GCSE OCR Foundation Tier (Grades 1 to 5):

Paper 1 – Calculator 100 marks

Paper 2 – Non - calculator 100 marks

Paper 3 – Calculator 100 marks

Internal

An assessment takes place after each 2 week unit of work. This assessment will measure what students have learnt in that unit and also assess prior knowledge to ensure learning is not lost over time. Any gaps in knowledge will be focussed upon in following lessons.

Every 10 weeks, students will be given a summative assessment. Students will receive a full revision list as to what is on the assessment and shown techniques to support their revision.

Mock examinations: Students will do a mock examination at the end of Y10 and another in Y11 covering only topics they have seen. This will inform intervention to support students' progress.



Key learning habits for success in this subject

To learn maths, you must do maths. We are an applied subject where practice is key.

Study maths in **short bursts of no more than an hour.** Use a study/revision timetable to help with this and stick to it.

Try the questions before you check the answer. Don't be afraid to get an answer wrong. We often learn from our mistakes.

Check your answers after each question. Practice makes permanent. Making the same mistake 10 times because you didn't check the answers along the way can allow a misconception to become stuck in your head. Also finding out you've made a mistake in one question can be a little annoying. Finding out you've made the same mistake in 10 questions can be very demotivating.

Ask for support. We will never turn a student away who seeks our help. In fact, we quite like talking about maths. Ask for help if you need it.



What can I do to support my child?

If you want to be sure that your child understands what they're studying, ask them to explain it to you. It supports your child's reasoning and communication skills as well as consolidates their knowledge.

Much of maths revision is now done online through platforms such as MathsWatch. Unfortunately, this means that some students find it hard to regulate their own learning with internet distractions. If necessary, we ask that parents redirect students back to studying.

Finally, your child and you can do maths. Maths often has a stigma attached to it with many suggesting maths is difficult. This can make the subject sound like an uphill battle for anyone attempting it. We ask that parents try to stay positive about the subject and encourage their child. Everyone can do maths given the right support.



Key reading

Mathswatch

Use the videos and skip to the important bits you need. Then answers the questions (this is the important bit). Instant feedback is given.

Username: 18JBloggs@alsophigh

Password: Alsoppupil

CGP Revision Books

Well recommended by many students



Any questions

If you have any questions regarding Mathematics please email me directly m.bonnesen@alsophigh.org.uk

If you have any general queries please email one of the Year 10 pastoral leads

Mrs Avison Senior line manager for Year 10 c.avison@alsophigh.org.uk

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