

## Supporting Your Learner

### Advanced Higher Mathematics

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### Course Outline

In Advanced Higher Mathematics pupils study three Units of work;

- Methods in Algebra and Calculus
- Applications of Algebra
- Geometry, Proof and Systems of Equations

To gain Advanced Higher Mathematics, pupils must pass the three Units and the Course Assessment.

Units are assessed by the school and achievement of Units is recorded on the pupil's qualifications certificate.

The Course Assessment consists of one Question Paper lasting **180 minutes** and worth **100 marks**.



## Exam Preparation

As the Advanced Higher Mathematics exam approaches, pupils should carry out as much timed practise of exam questions as possible. The Mathematics Department website has its own [Past Exam Paper collection](#) available via the school website, each with Marking Scheme and Written Solutions or video answers.

Ongoing and regular revision throughout the Session is important and homework exercises (including ‘finishing off’ work for the next lesson) are issued regularly. In addition to this, topic specific revision is available via the [RevisionHUB](#) which includes class notes, Past Exam Paper worksheets, answers and video tutorials. This section of the website is password protected and the password is available from the class Teacher. The Department issues all pupils with “Passport” booklets to help keep a record of topics covered and where revision is required.

The use of both scientific and graphic calculators is permitted and pupils have access to a formulae sheet. That said, pupils must work hard to memorise a number of other formulae and relationships.

## Useful Websites

In addition to using the Knox Academy website pupils should use [SCHOLAR](#) with their username and password.

SCHOLAR resources include:

- comprehensive online interactive learning materials, activities, assessments and revision packs.
- access to online communities, resources, monitoring information and information tools.
- study guides which contain key reference materials and learning activities.
- tutor notes with valuable curriculum and planning information.



## Useful Textbooks

The following websites sell revision and course notes as well as Past Exam Papers (though these are available via our school website). We can offer individual advice on what the best option for each pupil may be.

- [Hodder Education](#)
- [Leckie and Leckie](#)
- [Bright Red Publishing](#)

## Revision Classes

The Mathematics Department run a number of revision sessions – there are posters in every classroom and a timetable on the school website.

For the sessions labelled ‘drop in’, pupils are asked to bring questions along with them.

Pupils are always welcome to seek out any member of staff for advice.

## SQA Past Papers

The [SQA website](#) allows you to access the most recent Past Exam Papers as well as Specimen Papers produced by the SQA. There are also Marking Schemes on this page.

As detailed above in the “Exam Preparation” Section, the [Mathematics Department website](#) has a much wider selection, including the most up-to-date Question Papers.



## Understanding Standards

There is no Understanding Standards information on the SQA Website currently.

