Advanced Higher Mathematics ESSENTIAL INFORMATION

Which topics are covered at Advanced Higher?

Partial Fractions
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Partial-Fractions-HSN.pdf

Binomial
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Binomial-Theorem-HSN.pdf

Gaussian Elimination
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Gaussian-HSN.pdf

Functions
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Functions-HSN.pdf

Differentiation
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Differentiation-HSN.pdf

Integration
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Integration-HSN-1.pdf

Complex Numbers
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Complex-Numbers-HSN.pdf

Sequences and Series
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Seq-Series-HSN.pdf

Methods of Proof
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Methods-of-Proof-HSN.pdf

Vectors
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Vectors-HSN.pdf

Matrices
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Matrices-HSN.pdf

Maclaurin Series
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Maclaurin-Series-HSN.pdf

Differential Equations
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/Differential-Equations-HSN.pdf

Number Theory
https://www.advancedhighermaths.co.uk/wp-content/uploads/2016/02/application/pdf/pdf/Further-Number-Theory.pdf

What apps and websites can I use to support my learning?

https://www.advancedhighermaths.co.uk/free-ah-maths/

Scholar Login (hw.ac.uk)

Are there important dates of which I should I be aware?

Please look out for assessment schedule shared on school website.

Exam TT from SQA
https://www.sqa.org.uk/sqa/1439.html

How is the course assessed?

COMPONENT	DETAILS	LENGTH	MARKS
FINAL WRITTEN EXAM:	Non - Calculator	1 hour	35
	Calculator	2 hours and 30 minutes	80

What resources do I need?
Resources from lessons
Detailed work on OneNote and Teams with extensions, past paper questions.
Class notes
Try to ensure that these are up to date, catching up if you miss any class time through absence.

Where can I find more information about the exam and the course?
The SQA Understanding Standards provides exemplars and grades awarded.
https://www.sqa.org.uk/sqa/48507.html
Course specification
https://www.sqa.org.uk/files_ccc/AHCourseSpecMathematics.pdf

Where do I find the past papers?
SQA website has past papers and marking instructions.
https://www.sqa.org.uk/sqa/48507.html

This is great YouTube channel if looking to go over specific exam questions.
https://www.youtube.com/user/dlbmaths

What else can I do to improve?
- Set yourself an aspirational target grade and detail exactly what you're going to do to achieve this and keep referring to this.
- Keep up to date with your homework.
- Give yourself lots of time to prepare for the exam.
- Work consistently throughout the year.
- Look over past papers and give yourself time to practice exam style questions.

Particularly in Maths, it is not enough to look through and read your notes. You should try and practice the questions yourselves - perhaps under timed conditions.

Practice makes it permanent – not just perfect!