

How To Study Mathematics

Identify The Issues

Notes

- Maths is a practical subject.
- **Never** just read your notes.
- You need to do questions!

Past Exam Questions

- Make a **list** of your mistakes
- Write out the correct solutions, don't just read them.
- If you don't understand a question, **ask for help!**
- Go back a few days later and do the questions on your mistake list again.

Be Strategic & Get Support

Be Strategic

- Sometimes do whole past papers, sometimes focus on one topic.
- e.g. : have a day where you focus on your least favourite topic

Homework

- Make sure it is done.
- Go back and fix your mistakes
- Don't ignore the ones you get wrong

Get Support

- Attend supported study
- Ask your teacher for help
- Youtube videos

Help Yourself Remember

Test Yourself

- Do past papers without your notes.
- See what you *really* know
- Redo your incorrect questions a few days later.
- See if you have improved.

Space Your Practice

- An hour of study done often throughout the year is much better than cramming at the end. You will remember more this way.

See other side for useful resources and top tips!

SQA Website - <https://www.sqa.org.uk/sqa/45847.html> for Mathematics or <https://www.sqa.org.uk/sqa/81277.html> for Applications of Mathematics

- Choose correct level you are studying
- Click on the 'Course Specification' bar
 - This document will give you a clear breakdown of everything in your course
 - A useful checklist to use when studying and identifying where you have issues
- Click on the 'Course Information 2021-22'
 - This document will let you see which parts of the course are *NOT* being assessed this year
 - If in any doubt when doing past paper questions just check with your class teacher if it a question you should do

Free Mathematics Websites – A Google search for 'Free N5 Maths', 'Free Higher Maths', 'Free AH Maths', or 'Free N5 Apps' will bring up the websites which you will all be familiar with using at times in lessons.

- Sections/links of most use are:
 - Easy access to all past papers and solutions
 - Past paper questions by topic
 - Exam worksheets by topic
 - Essential Skills worksheets (N5 Mathematics and Higher Mathematics only)
 - The Essential Skills worksheets are a great resource to help you practise the key skills of the course and ensure you pick up marks
- Use the 'Marking Instructions' when checking past paper questions – don't assume a correct answer at the end will gain you all the marks available.
 - Looking carefully through the marking scheme for a question you have done will let you see what the SQA standards and expectations in awarding marks.
 - It is vital you pay close attention to what working must be shown and key details of how it is laid out
 - There will be notes and 'commonly observed responses' below many questions where the SQA identify the main issues pupils have encountered with questions and where marks will not be awarded for poor quality working

YouTube – there are many good quality short videos showing worked solutions for past paper questions. Remember you can always ask your teacher for help on any question you have tackled – but if you are on holiday/study leave/weekend then this will help you out rather than being stuck and frustrated!

- DLB Maths channel has most past paper questions of many years for N5, H, AH Mathematics
- A search in YouTube for 'N5 Apps past paper 2018 paper 2', for example, will bring up videos of solutions

Class Team/GC – finally, don't forget any resources your class teacher has put on the Microsoft Team, OneNote Class Notebook (linked to the Team), or Google Classroom!