

NQ Study Skills in Maths

Mr Ross Henderson

PT Mathematics & Numeracy

Course Components

- ▶ There are two components to the National 5, Higher and ADVH courses;
 - ▶ Paper 1 - Non-Calculator
 - ▶ Paper 2 - Calculator
- ▶ Pupil final results are 100% based on exam performance in *May* exam.
- ▶ Course modifications from 2021-22 remain in place for session 2022-23.

2022-23 Course Modifications

- ▶ N5 Applications - The following content will not be assessed in the question papers in session 2022-23: **scale drawing, planning a navigation route, line of best fit.**
- ▶ N5 Mathematics - The following content will not be assessed in the question papers in session 2022-23: **vectors, similarity, 3D coordinates.**
- ▶ Higher - The following content will not be assessed in the question papers in session 2022-23: **vectors, recurrence relations.**
- ▶ ADVH Mathematics - The following content will not be assessed in the question papers in session 2022-23: **finding the asymptotes to the graphs of rational functions, investigating features of graphs and sketching graphs of functions, calculating a vector product, working with lines in three dimensions, working with planes.**
- ▶ ADVH Mechanics - The following content will not be assessed in the question paper in session 2022-23: **using moments to find the centre of a mass of a body, determining the turning effect of force.**

Notional Boundaries

Band	Estimated performance	Notional % range
1	Grade A (upper)	85 – 100
2	Grade A (lower)	70 – 84
3	Grade B (upper)	65 – 69
4	Grade B (lower)	60 – 64
5	Grade C (upper)	55 – 59
6	Grade C (lower)	50 – 54
7	Grade D	40 – 49
8	No Award	30 – 39
9	No Award	0 – 29

- ▶ The above SQA notional boundaries are what we use for prelims.
- ▶ The SQA can alter these boundaries depending on National exam performance.

Course Outlines

- ▶ All courses are split into 3 blocks of work.
- ▶ All classes will complete 1 mini-assessment per month as part of retrieval practice except from prelim months i.e. Nov, Jan & Mar
- ▶ All classes will be issued with a formal homework for each chapter of their course.
- ▶ 3 prelims during the year - Nov (1/3 course pre-prelim), Jan (2/3 course main prelim) & Mar (full course final prelim).

Revision Resources

- ▶ Microsoft Teams used by Dept. for all levels where revision resources will be shared but also where pupils are able to ask questions.
- ▶ Dept. will try to respond to questions in a timely manner or use these questions in class to aid learning.
- ▶ Pupils are issued with a blue **evidence jotter** where they should complete any revision.
- ▶ Regular **revision of past paper questions** is best form of revision.
- ▶ Dept. will issue **Past Paper Frequency Grids** highlighting questions related to each topic.
- ▶ Dept. will issue **14 week plans** to classes prior to prelim and final exam.
- ▶ Plans consist of approx. 3 questions per night and 1 past paper per week to aid pupil revision.
- ▶ Pupils will be given past paper checklist and reflections document to complete to allow them to track their progress.
- ▶ Pupils should be aiming for **marginal gains** on a weekly basis approx. 5% more per week.

Useful Websites

- ▶ **National5maths.co.uk** - has links for National 5, National 5 Applications of Maths & Higher Maths.
 - ▶ Username:hyndland
 - ▶ Password:maths123
- ▶ **Armada Math** - excellent topic by topic resources for National 5 & Higher.
- ▶ **SPTA Maths** - excellent revision resources as well as practice papers which are used in 14 week plans.
- ▶ **Larbert Flipped Learning** - video lessons for National 5 & Higher.
- ▶ You Tube (**DLB Maths**) - fully worked solutions of past paper questions.
- ▶ **Rigour Maths** - Links to video lessons and self marking quizzes can be shared by class teacher.

Study Tips for Parents/Carers

- ▶ Be positive and encourage regular revision.
- ▶ Provide or direct your child to a quiet place to study.
- ▶ Support them to make a realistic revision plan with time set aside for relaxation and exercise
- ▶ Be involved in their revision; ask questions or quizzing them using flashcards.
- ▶ Encourage study without any distractions such as mobile phone, social media etc.
- ▶ Encourage and monitor attendance at supported study.
- ▶ Monitor your child's homework and ensure it is completed in a timely manner and to a good standard.
- ▶ Use advice provided in parental reports or parents evenings.

Study Tips for Pupils

- ▶ Start studying now!!
- ▶ Share your revision plan with your parents/carers to help them support you.
- ▶ Look after yourself; eat healthy food & snacks, form good sleep habits, drink plenty of fluids and relax/exercise.
- ▶ Speak to someone if you feel stressed - parent/carer, teacher, pastoral care or friend.
- ▶ Be disciplined and focussed to study without any distractions such as mobile phone, social media etc.
- ▶ Ensure that all tasks are completed on time and to a good standard.
- ▶ Use learner conversations, reports, formal homeworks and mini assessments to identify your next steps for learning.
- ▶ Practice past paper questions related to the topics covered in class on a regular basis to improve your retrieval of knowledge.
- ▶ Form a study good with your friends who will motivate and help keep you focussed.
- ▶ Make use of all the available support in class, on teams and at supported study.

NQ Study Skills in English

Miss Glover Stuart - English Department

Course Components

- ▶ There are four components to both the National 5 and Higher course;
 - ▶ RUAE (Reading for Understanding, Analysis and Evaluation)
 - ▶ Scottish Set Text
 - ▶ Critical Essay
 - ▶ Portfolio
- ▶ The skills you need to develop for each component are the same for either level.

RUAE (Reading for Understanding, Analysis and Evaluation)

- ▶ This component is worth 30% of the overall grade at National 5 and Higher.
- ▶ This paper assesses skills in understanding, analysis of components of language and understanding of structure of writing.

RUAE (Reading for Understanding, Analysis and Evaluation)

- ▶ **How to study;**
- ▶ It is **essential** to build a wide vocabulary by reading good quality journalism **at least two to three times a week**. Students can access good quality journalism on their iPads;
 - ▶ The Guardian(especially the ‘Comment is free’ section)
 - ▶ The Herald
 - ▶ The Scotsman
- ▶ Keeping a note of new vocabulary either in a file on your iPad or in a small jotter, note the definition/connotations etc.
- ▶ There are past papers available on the SQA website, you can use these to look at question types, revise and check your responses with the marking keys.
- ▶ Your teacher will be giving you a range of question specific resources that you can use with your revision too.

Scottish Set Text

- ▶ This component is worth 20% of the NQ award at both N5 and H.
- ▶ It utilises a piece of Scottish literature that has been studied in class, either prose or poetry. Some of the texts overlap both NQ levels. Texts being used in the department this year are;
- ▶ **Poetry**
 - ▶ Norman MacCaig H/N5 (6 poems)
 - ▶ Liz Lochhead H only (6 poems)
 - ▶ Carol Ann Duffy H/N5(6 poems)
 - ▶ Edwin Morgan N5 only (6 poems)
- ▶ **Prose**
 - ▶ Anne Donovan short stories N5 only (4 stories)
 - ▶ Iain Crichton Smith short stories H/N5 (4 stories)
 - ▶ *The Strange Case of Doctor Jekyll and Mr Hyde* by Robert Louis Stevenson H/N5
- ▶ Students will get an except from part of the prose or a section or full version of **one** of the poems.

Scottish Set Text

- ▶ **How to study;**
- ▶ At this point in the term you might **not** have covered all of your Scottish Set Text novel, short stories or poems.
- ▶ Frequent revision of your selected text/poems. Once you have tackled a chapter/short story or poem in class, don't just leave it in your notes. Revisit what you have covered during your revision to help support your understanding.
- ▶ Use of flashcard/quotation banks to help retain evidence to answer questions
- ▶ Use of flashcards to support understanding of common elements within the novel, short stories or poems.
- ▶ Use of BBC Bitesize resources - the Scottish Set Text resources on Bitesize are particularly useful. They offer revision tasks and short self tests.

Critical Essay

- ▶ This component is worth 20% NQ award at both N5 and H level.
- ▶ It requires students to demonstrate their understanding of a previously studied piece of literature in response to an unseen critical essay question. Some texts being used in the department this session are;
- ▶ Drama
 - ▶ Macbeth
 - ▶ Romeo and Juliet
 - ▶ The Crucible
- ▶ Poetry
 - ▶ Standing Female Nude by Carol Ann Duffy
 - ▶ Dulce et Decorum Est by Wilfred Owen

Critical Essay

- ▶ **How to study;**
- ▶ As with the Scottish Set Text element, it is unlikely that many classes have completed their study of their full CE text at this stage in the course. This doesn't mean that they can't be undertaking meaningful revision.
- ▶ Frequent revisiting content covered in class. Don't just rely on returning to certain elements of your text in class. Pull together your own summary or make a running note of the events of your novel or play.
- ▶ Collating quotations can start. Think about creating flashcards that are related by theme or character to help you track this through the text.
- ▶ Essay planning - mind mapping an essay plan is often a more time effective way of revising this component than writing out full essays. A 'thematic' mind map may be more beneficial than writing a full essay on a very specific question that you don't encounter in the prelim/exam.

Portfolio

- ▶ This component is worth 30% of the NQ award at both N5 and H level.
- ▶ There are still some COVID mitigations in place for this component and candidates are only required to submit **one** portfolio piece
- ▶ A broadly creative piece
 - ▶ Short story
 - ▶ Personal/reflective
 - ▶ Dramatic monologue
 - ▶ Poetry
- ▶ A broadly discursive piece
 - ▶ Persuasive
 - ▶ Argumentative
 - ▶ Discursive

Portfolio

- ▶ **How to study;**
- ▶ All students should have their portfolios well underway as they are working towards the departmental deadlines for a first draft below;
 - ▶ National 5 - Thursday 23rd September
 - ▶ Higher - Thursday 13th October
- ▶ In keeping with SQA guidance students will receive **ONE** fully marked draft back from their teacher. They can continue to submit pieces for verbal feedback.
- ▶ When redrafting, students should respond to feedback from staff as much as possible. Refine and rework your piece to improve as much as possible.
- ▶ Students can access good quality examples of portfolio pieces on www.understandingstandards.org.uk this is a bank of SQA assessed work with SQA marker commentaries.