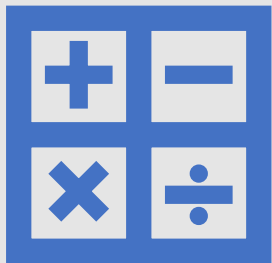
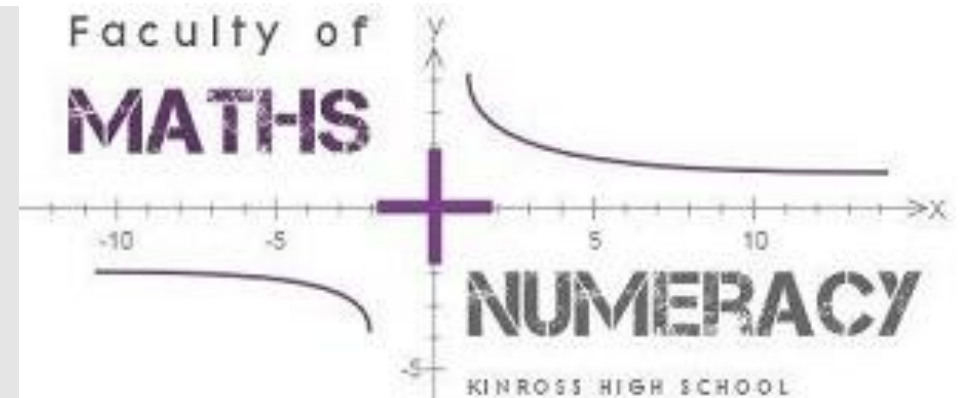


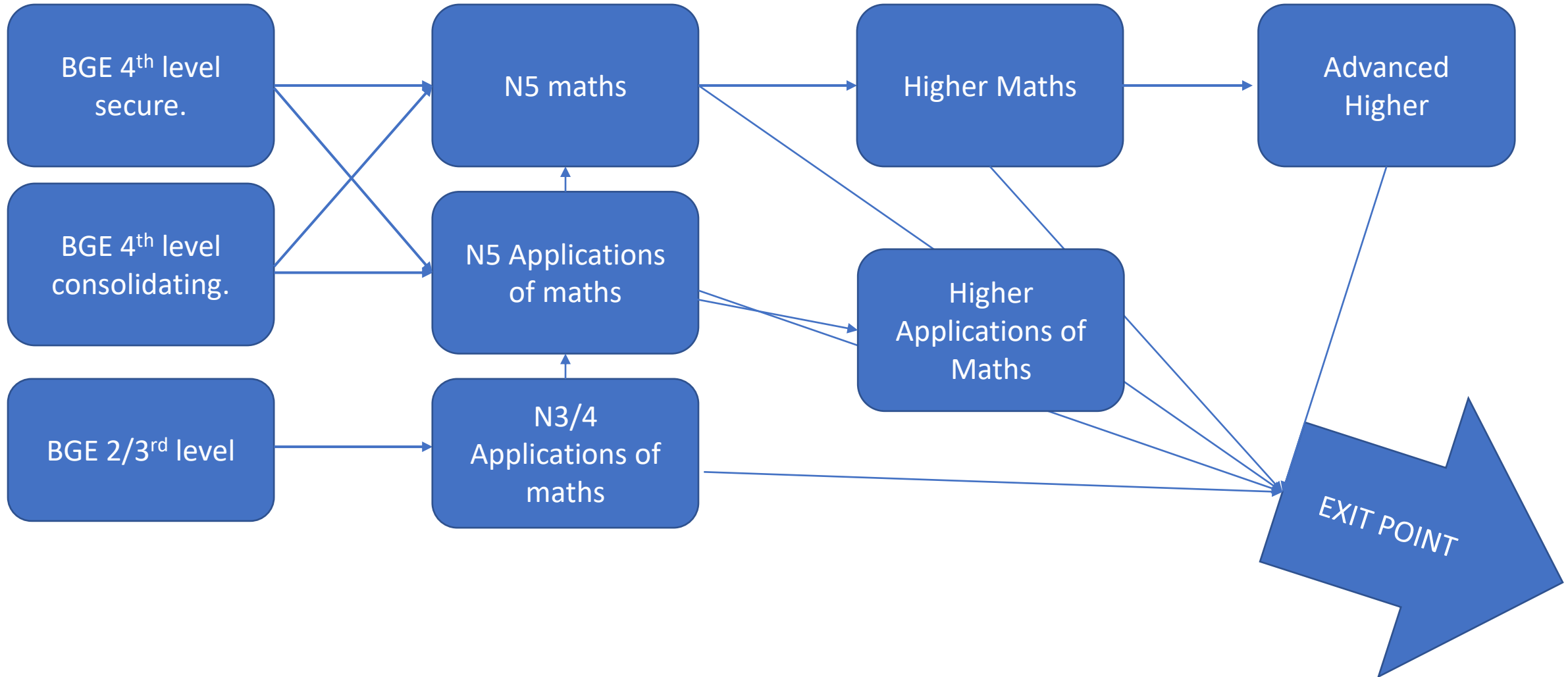
# Subject choice N5 maths or N5 applications of maths?



Which course suits you best?

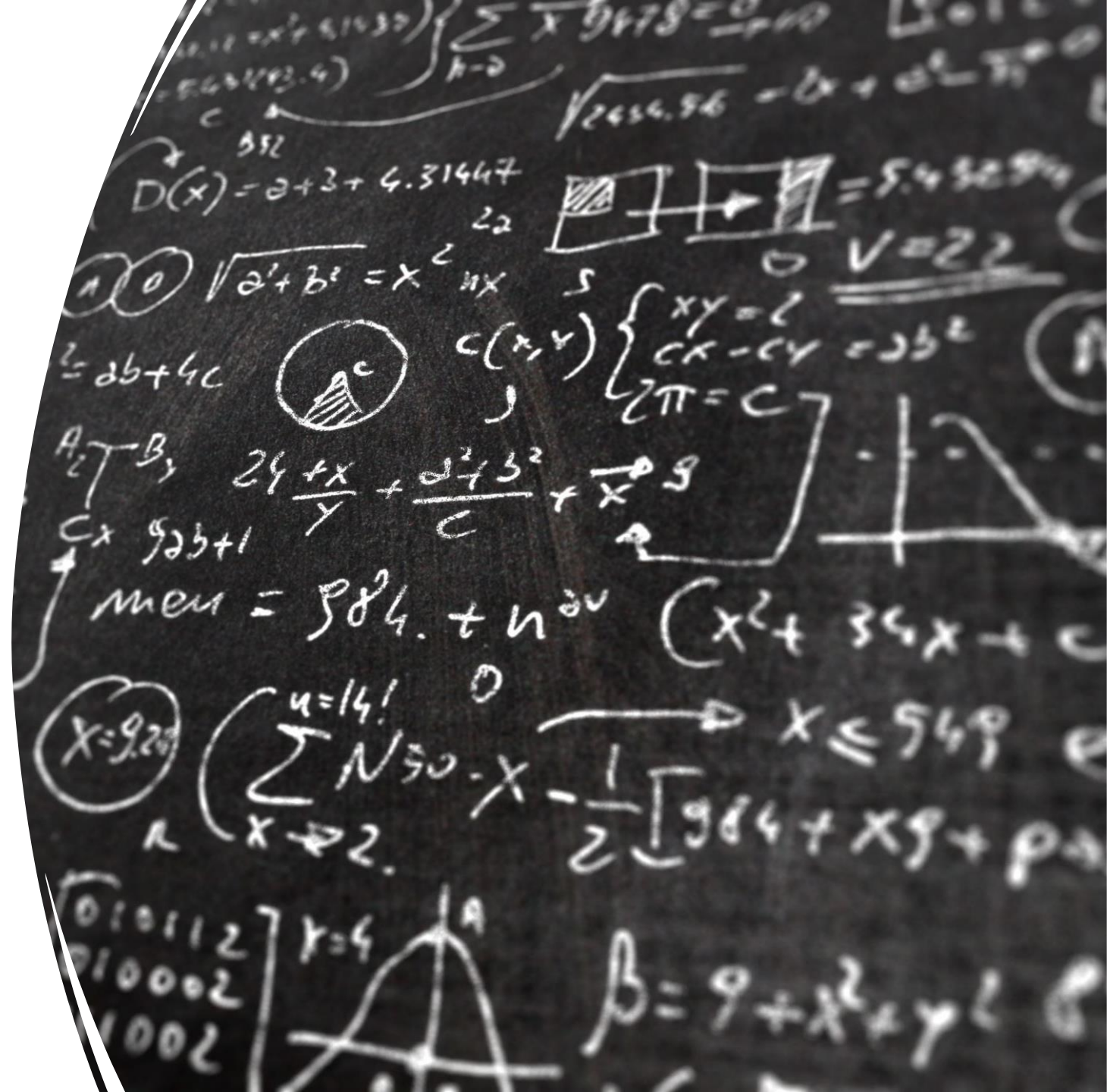


# The maths journey




# N5 Applications of Maths

- N5 Applications of Maths is a highly respected qualification which will open up many career opportunities for you.
- The course explores the applications of mathematical techniques and skills in everyday situations, including financial matters, statistics, and measurement.
- This course is accepted for many university courses. There is a slide at the end with details of these.



# N5 Applications of Maths

The following provides a broad overview of the subject skills, knowledge and understanding developed in the course:

- analyse real-life situations and problems involving mathematics
  - identify valid mathematical operational skills to tackle real-life situations or problems
  - select and apply numeracy skills
  - select and apply skills in finance, statistics, measurement, geometry, graphical data and probability
  - use mathematical reasoning skills to draw conclusions or justify decisions
  - communicate mathematical information in an appropriate way
- 



# N5 Maths

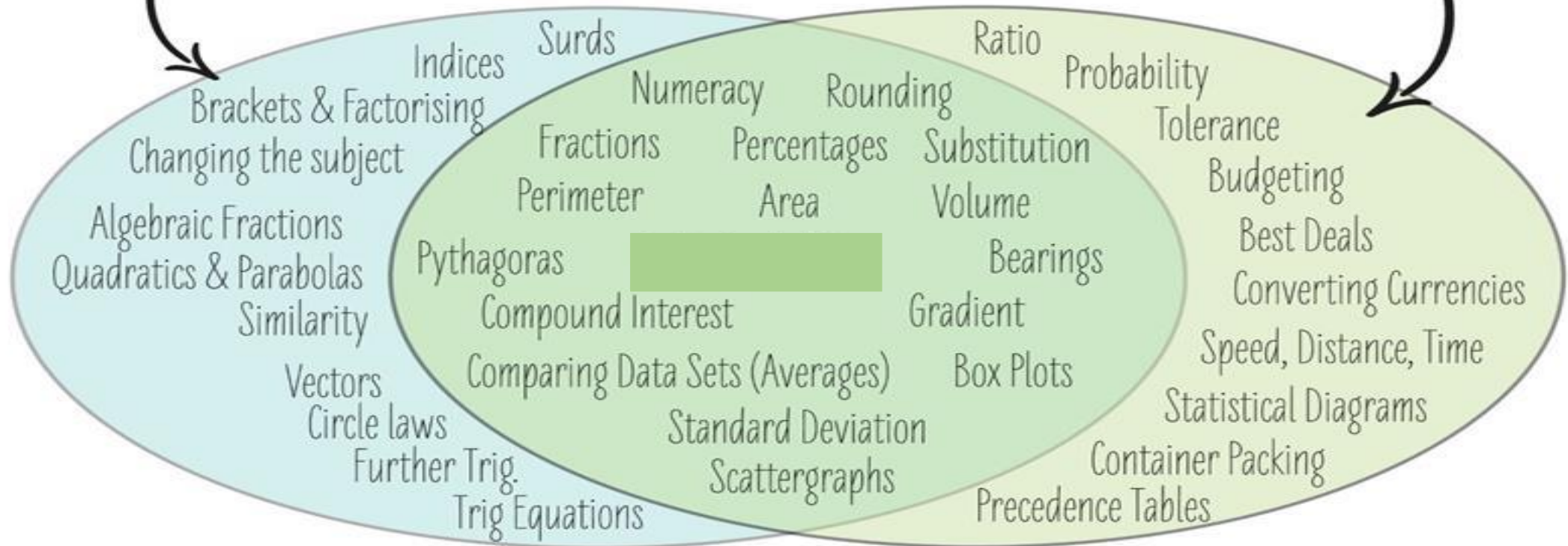
The course explores:

- understand and use mathematical concepts and relationships
- select and apply numerical skills
- select and apply skills in algebra, geometry, trigonometry and statistics
- use mathematical models
- use mathematical reasoning skills to interpret information, to select a strategy to solve a problem, and to communicate solutions



# Topics in N5 maths an N5 applications

## **MATHS OR APPLICATIONS**



**WHAT'S THE DIFFERENCE?**

Sometimes these are minimum entry requirements and the particular employer, college or University you are applying to may ask for more.

Always check their requirements carefully!

Essential = you must have this qualification as minimum.

Desirable = you may be able to get in without this qualification, but it will help you to have it.

Can join without a specific Maths qualification	Army (as a soldier), Navy ( <i>except for joining as Officer</i> ) Nursery Nurse
No specific maths qualification required, but applicants must sit a numeracy test	Police Scotland ( <i>the style of their Numeracy test is broadly equivalent to <b>National 4 Applications of Mathematics</b></i> )
National 3	-
National 4: <u>either</u> Maths <u>or</u> Applications of Maths ( <i>see next section for those that accept maths only and not applications of maths</i> )	<b>Desirable</b> for most Modern Apprenticeships ( <i>exact requirements vary</i> ) (individual employers set the criteria) <ul style="list-style-type: none"> <li>• East Lothian Council confirm that Applications is definitely accepted in place of Maths for apprenticeships.</li> </ul> <b>Desirable</b> for pre-apprenticeship courses at Edinburgh College e.g. trowel trades, brickwork, plasterwork, roofing <b>Desirable</b> as a minimum qualification to become a Plumber, Joiner, Electrician <b>Desirable</b> for careers in retail
National 4 Mathematics only ( <u>not</u> Applications of Mathematics)	<b>Essential</b> for entry to National 5 Maths at Edinburgh College  <b>Essential</b> for entry to Light Vehicle Maintenance level 1 at Edinburgh College; also physics is desirable



Sometimes these are minimum entry requirements and the particular employer, college or University you are applying to may ask for more.

Always check their requirements carefully!

Essential = you must have this qualification as minimum.

Desirable = you may be able to get in without this qualification, but it will help you to have it.

<p>National 5: <u>either</u> Maths or Applications of Maths (see next section for those that accept maths only and not applications of maths)</p>	<p><b>Essential</b> for entry to Initial Teacher Education (<i>most Universities will accept Applications: Edinburgh (grade B or above), Aberdeen, Stirling, Dundee, Strathclyde, Queen Margaret definitely do</i>)</p> <p><b>Essential</b> for entry to Social Work at Dundee</p> <p><b>Essential</b> for entry to Accountancy, Economics, Finance, Education at Aberdeen University</p> <p><b>Essential</b> for entry to St Andrews University Arts/Divinity Faculties (<i>for Maths must be at grade B or above; for Applications of Maths must be grade A</i>)</p> <p><b>Essential</b> at grade C or above for entry to University of Strathclyde Faculty of Humanities and Social Sciences</p> <p><b>Essential</b> for entry to Nursing at some institutions (but not all – some require maths): (Nursing and Midwifery Council do not set any specific requirements, they allow Universities to determine their own policy)</p> <ul style="list-style-type: none"><li>• Robert Gordon grade C</li><li>• Stirling grade C</li><li>• Dundee grade C</li><li>• Napier grade C</li></ul> <p><b>Essential</b> for entry to Sport Science or Sport Studies at Stirling University (grade B), or Education (grade B) at Stirling, or Nursing at Stirling (grade C) [<i>Stirling University will accept</i>]</p>
---	--

	<p><b>Applications of Maths in place of Maths for <u>any</u> courses with a maths requirement]</b></p> <p><b>Essential</b> (grade B) for entry to BSc Sport and Exercise Science at Napier University (though website still says “excluding Lifeskills” but it has been confirmed they <u>have</u> changed their policy)</p> <p><b>Essential</b> for entry to Heriot Watt University for subjects “outwith sciences and engineering”</p> <p><b>Essential</b> for entry to film, theatre, drama, PR at Queen Margaret University – with Applications and Maths being viewed equally.</p> <p><b>Essential</b> (grade B) for entry to Nursing at Queen Margaret University</p> <p><b>Essential</b> (grade C) for entry to BA Social Sciences at Napier University</p> <p><b>Essential</b> (grade C) for entry to BA Criminology at Napier.</p>
--	---

Sometimes these are minimum entry requirements and the particular employer, college or University you are applying to may ask for more.

Always check their requirements carefully!

Essential = you must have this qualification as minimum.

Desirable = you may be able to get in without this qualification, but it will help you to have it.

<p>National 5 Mathematics only (<u>not</u> Applications of Mathematics)</p>	<p><b>Essential</b> for RAF Aircrew (who also require a science/technology-based subject)  <b>Essential</b> for entry to Computer Games HNC at Edinburgh College  <b>Essential</b> for entry to Higher Mathematics courses in any school or college (grade A or B required for Edinburgh College)  <b>Essential</b> for entry to St Andrews University Science Faculty  <b>Essential</b> for entry to Science or Medicine degrees at Aberdeen University  <b>Essential</b> at grade C or above for entry to University of Strathclyde Faculty of Engineering, Faculty of Science and Strathclyde Business School  <b>Essential</b> for entry to Heriot Watt University for science and engineering subjects  <b>Essential</b> for entry to Business Degrees at Edinburgh University  <b>Essential</b> for entry to Social Work at Edinburgh University  <b>Essential</b> (grade B) for entry to Nursing at University of Edinburgh  <b>Essential</b> (grade B) for entry to BSc/BA Psychology at Napier University (and some courses in the Engineering and Built Environment Faculty)  <b>Essential</b> (grade C) for entry to BSc Physical Activity and Health at Napier University  <b>Essential</b> for entry to Light Vehicle Maintenance level 2 at Edinburgh College</p>
<p>Higher Mathematics</p>	<p><b>Desirable</b> for various HNC/HND college courses  <b>Essential</b> for University degrees in Maths, Chemistry, Physics, Biology, Engineering, Medicine, Veterinary Medicine, Architecture  <b>Essential</b> for Economics at the University of Edinburgh</p>
<p>Advanced Higher Mathematics</p>	<p><b>Desirable</b> for degrees in Maths, Chemistry, Physics, Engineering</p>