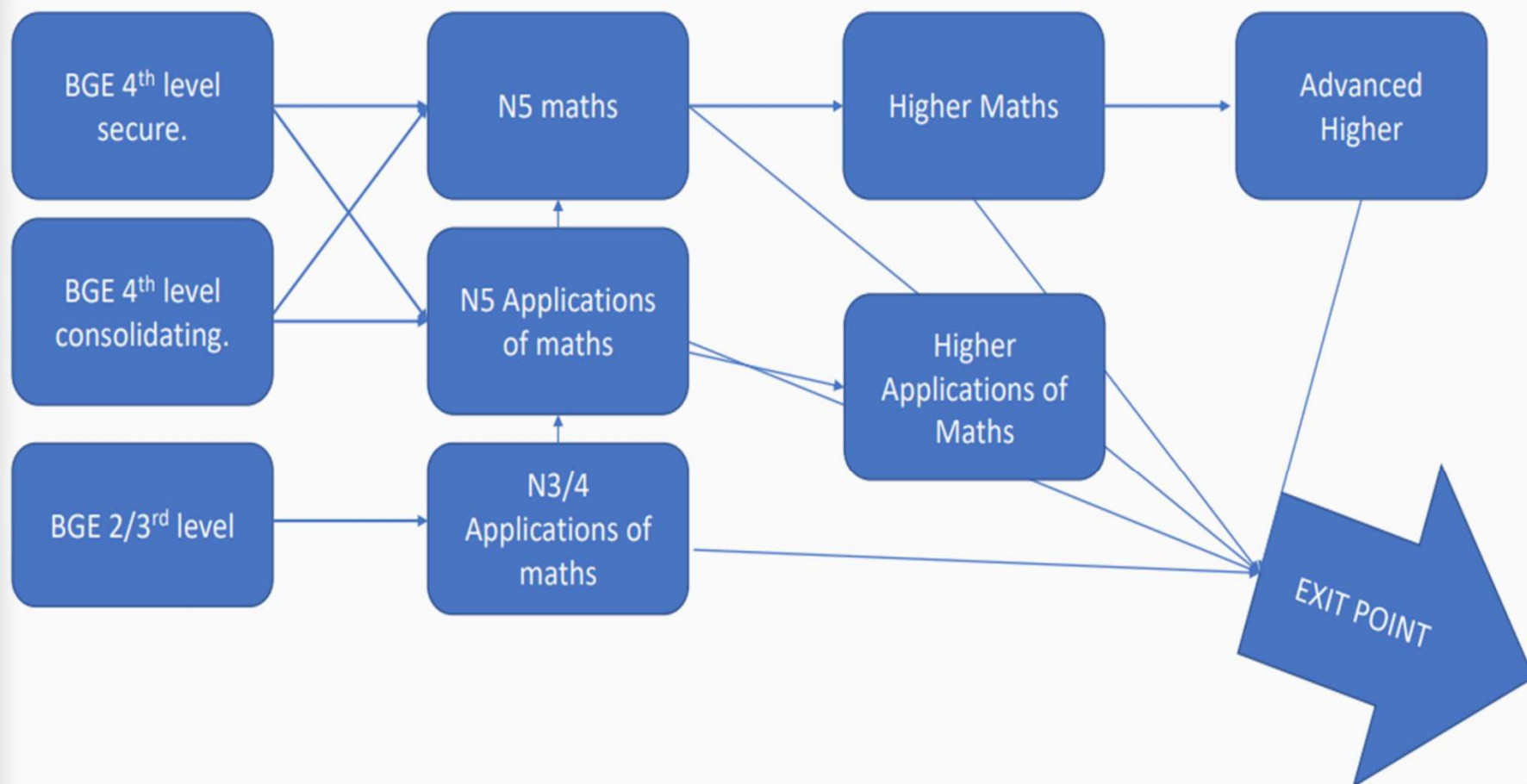


The maths journey



National 5 Maths

- N5 Maths will open many career opportunities for you, especially in the Sciences.
- It is designed for those who want to go on and study maths at advanced levels.
- This course is compulsory for some university courses such as medicine and STEM subjects.

The course Aims

- To develop a range of mathematical operational and reasoning skills that can be used to solve mathematical and real-life problems.

Career Examples

- Primary Teaching/Secondary Teaching.
- Nursing .
- Social Work.
- Sports Science.
- Physiotherapy.
- Business Education.
- Accountancy, Economics and Finance.

Minimum entry requirements

- National 4 Maths; OR
- Other equivalent qualifications.



National 5 Apps

This course focuses on more “real-life” maths that you might use in everyday situations such as:

- Financial matters.
- Statistics.
- Measurement.

The course Aims

- Tackle real-life situations and problems using maths.
- Use mathematical skills to draw conclusions or justify decisions.
- Communicate mathematical information in an appropriate way.
- Select and apply skills in finance, statistics, measurement, geometry, probability, and graphical data.

Career Examples

- Business
- Finance
- Teaching
- Social work
- Nursing
- Sport science

Check entry requirements for any university/college course to be certain they accept Applications in place of Maths...many do!

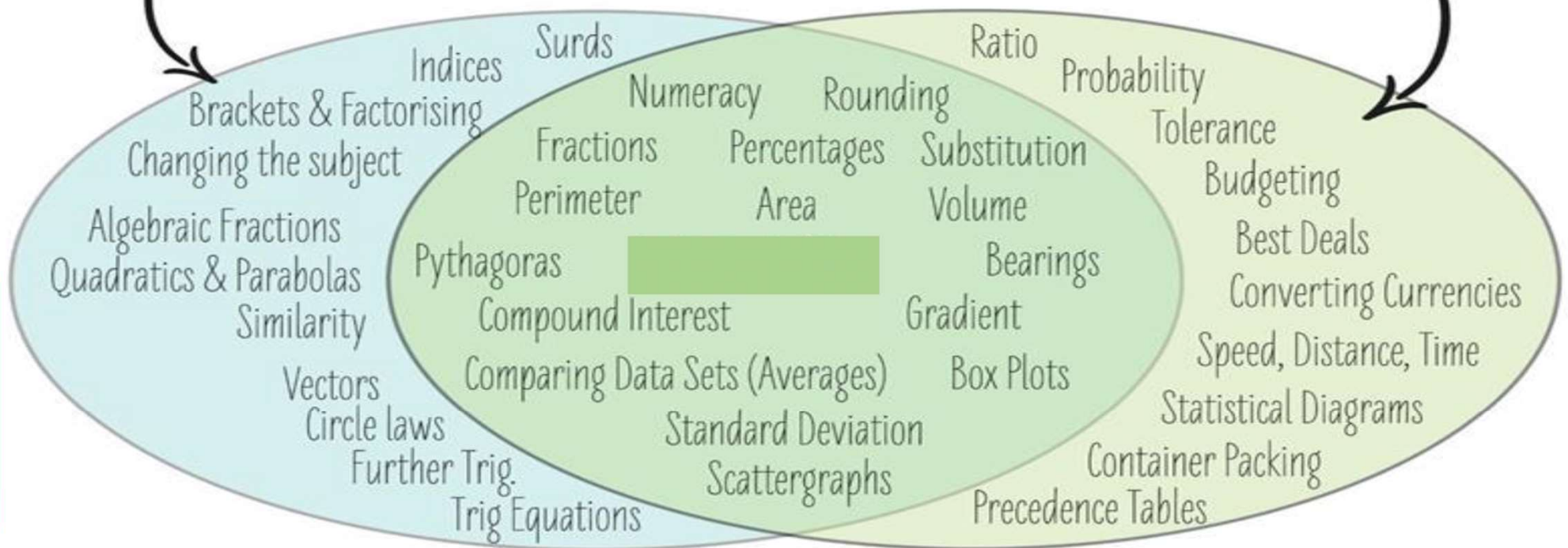
Minimum entry requirements

- National 4 Mathematics; OR
- National 4 Applications



Topics in N5 Maths and N5 Applications

MATHS OR APPLICATIONS



WHAT'S THE DIFFERENCE?

N5 Finance

- Finance Education is a planned programme of learning opportunities and experiences designed to increase the financial capability of all students from every social and cultural background.

Minimum entry requirements

- National 4 Maths or Applications; OR
- Other equivalent qualifications.

The course Aims

- Develops young pupils' financial capability from an early age.
- Helps them to gain an understanding of money and to be better prepared to meet some of the risks they will encounter when they leave school.
- Helps them understand the advantages of saving and the risks of borrowing, as well as the costs they will face when studying or living on their own.

Career Examples

- Accounting
- Banking.
- Finance.



Higher Maths

- It is a rich and stimulating subject with the capacity to engage and fascinate learners and has a wide applicability to science, engineering, technology, business, industry and not least to everyday life.

Minimum entry requirements

- National 5 Mathematics at Grade C or above; OR
- Other equivalent qualifications.

The course Aims

- To develop logical reasoning, analysis, problem-solving skills and the ability to think in abstract ways, as well as offering opportunities for creativity.
- Develop the skills required to be successful at Advanced Higher Maths and Higher Education courses.

Career Examples

- Teacher.
- Mathematician.
- Software developer and computer programmer.
- Research scientist.
- Economist.
- Actuary.
- Accountant.
- Engineer.



Higher Apps

This course is assessed in 2 parts:

- A calculator/computer exam (73%).
- A statistical project on an area of your own personal interest, completed during class time (27%).

The course Aims

- Develops real life skills for the workplace
 - Financial skills.
 - Mathematical modelling.
 - Planning and decision making.
 - Statistics and Probability.
- Great preparation for many university courses – often accepted as an alternative to Maths.
- Get familiar with software used by actual statisticians.

Career Examples

- Business
- Accounting & Finance
- Statistician
- Economist
- Doctor
- Vet
- Biologist
- Environmental scientist

Check entry requirements for any university/college course to be certain they accept Applications in place of Maths...many do!

Minimum entry requirements

- National 5 Mathematics at Grade C or above; OR
- National 5 Applications at Grade C or above



Adv- Higher Maths

- The aim of Advanced Higher Mathematics is to extend further students' mathematical experience in Pure Mathematics, as well as providing an opportunity to study some Applied Mathematics.

Minimum entry requirements

- Higher Mathematics at Grade C or above; OR
- Other equivalent qualifications.

The course Aims

- It is particularly useful for students who may go on to study degree courses that involve Mathematics.
- To motivate and challenge learners by enabling them to select and apply mathematical techniques in a variety of mathematical situations

Career Examples

- Accountant.
- Data Analyst Statistician.
- Maths teacher.
- Engineering Banking and Financial Services.
- Retail Research scientist.



Adv- Higher Mech

This course is spread across three units:
Force, Energy and Periodic Motion (FEP)
Linear and Parabolic Motion (LPM)
Mathematical Techniques for Mechanics (MTM)

The course Aims

- Develops, deepens, and extends the mathematical skills necessary at this level and beyond.
- Candidates gain and apply operational skills necessary for exploring ideas in mechanics through symbolic representation and mathematical modelling.
- Candidates develop mathematical reasoning skills and gain experience in making informed decisions.

Career Examples

- Maintenance manager. ...
- Mechanical project manager. ...
- Mechanical technician. ...
- Mechanic. ...
- Automotive technician. ...
- Repair manager. ...
- Repair technician. ...
- Maintenance supervisor.

Minimum entry requirements

- Higher Mathematics at Grade C or above; OR
- Other equivalent qualifications.

