

CAREERS INFORMATION

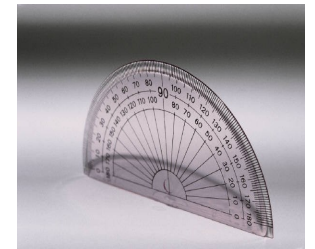


OTHER INFORMATION

STAFF: Mrs Tocher, Mrs Massie, Mrs Drysdale,
Mrs Nicoll, Miss Mitchell

Mathematics

Mathematics National 4



TURRIFF ACADEMY

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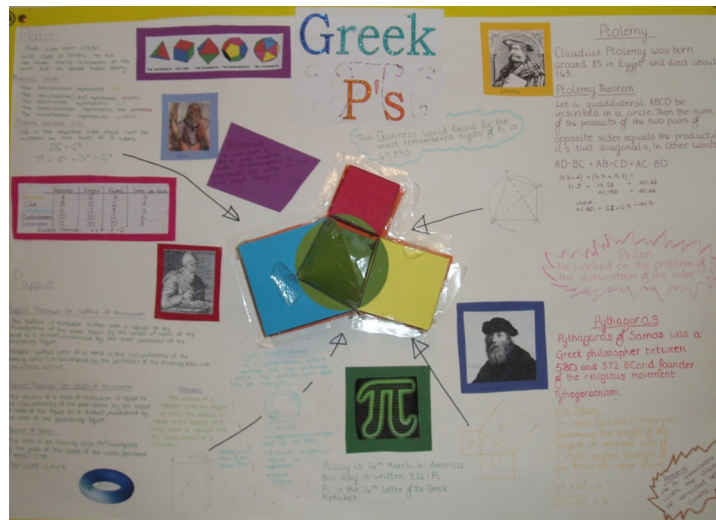
Career Areas

- [Computing & ICT](#)
- [Engineering](#)
- [Finance](#)
- [Science & Mathematics](#)
- [Teaching & Classroom Support](#)
- [Transport & Distribution](#)

Further advice and information on these options is available from your subject teacher, guidance teacher and careers adviser.

CHALLENGES

Scottish Mathematical Challenge
UKMT Mathematical Challenge
Maths in the Pipeline



COURSE INFORMATION

Why Mathematics?

Mathematics is a rich and stimulating subject and plays an important part in everyday life. It helps us to make sense of the world around us and to manage our lives. And, it gives us many skills we need for life, learning and work.

Mathematics is an excellent choice not only because it is an important subject in its own right, but forms the basis of many other subjects. These include Chemistry, Biology, Physics, Computing and technological subjects. And, it is also central to other specialist subjects at higher level, such as astronomy or statistics. Studying Mathematics will improve your reasoning, analytical and problem solving skills. It will help you think in more creative and abstract ways. This means it gives you lots of valuable qualities when you go to look for work. The skills you learn in this course are useful in many careers involving engineering, medicine, technology, business and physical sciences.

Course Outline

The course has **three** compulsory units, plus an **added value** unit that assesses your practical skills.

Mathematics: Expressions and Formulae

- manipulating abstract terms, simplifying expressions and evaluating formulae

Mathematics: Relationships

- solve equations, understand graphs and work with trigonometric ratios

Numeracy

- use numerical skills, interpret graphical data and situations involving probability to solve straightforward real life problems involving money/time/measurement.

Added Value Unit: Mathematics Test

- one question paper testing your mathematical operational skills, without the aid of a calculator
- one question paper testing your reasoning skills, where you can use a calculator.

ASSESSMENT

Your teacher or tutor will assess your work on a regular basis throughout the course. Items of work might include:

- practical work – working with real life plans or drawings, or using technology
- written work – investigative or project based tasks such as data collection or organisation
- class-based exams.

You must pass all units plus the added value unit to gain the course qualification.

PROGRESSION

If you complete the course successfully, it may lead to:

- National 5 Mathematics**
- National 5 Applications of Mathematics**
- other qualifications in Mathematics or relevant areas

FURTHER COURSES IN TURRIFF ACADEMY



In S5/6:

Mathematics Higher

Mathematics Advanced Higher

Applications of Mathematics