

# CAREERS INFORMATION

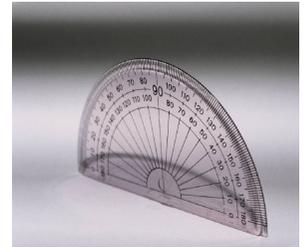
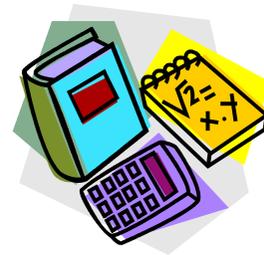


# OTHER INFORMATION

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

# Mathematics

# Mathematics National 5



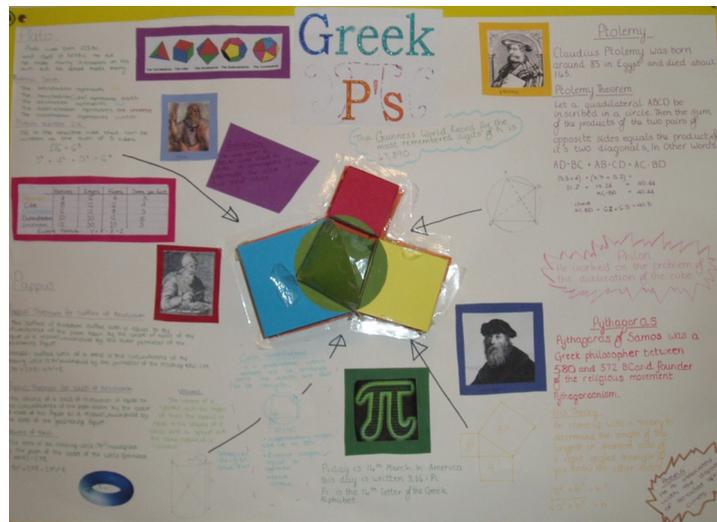
## Career Areas

- [Architect](#)
- [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

Mathematical Challenge  
UKMT Mathematical Challenge  
Enterprising Mathematics  
Maths in the Pipeline



TURRIFF ACADEMY

Email: [turriff.aca@aberdeenshire.gov.uk](mailto:turriff.aca@aberdeenshire.gov.uk)

# COURSE INFORMATION

## Why Mathematics?

Mathematics is a rich and stimulating subject and plays an important part in everyday life. It uses a universal language of numbers and symbols, letting us communicate ideas in a brief, clear and concise way. Mathematics is a good choice because it forms the basis of other school subjects like Chemistry, Biology, Physics and Computing, as well as being an important subject on its own. It is core to other specialist subjects at higher level, such as astronomy and statistics. Studying Mathematics will improve your reasoning, analytical and problem solving skills. And, it will help you think in more creative and abstract ways. This means it gives you many 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 the physical sciences.

## Course Outline

The course has **three** compulsory units.

### Mathematics: Expressions and Formulae

- develop skills linked to mathematical expressions and formulae, such as manipulating abstract terms, simplifying expressions and evaluating formulae

### Mathematics: Relationships

- develop skills linked to mathematical relationships, including solving and manipulating equations, working with graphs and carrying out calculations on the lengths and angles of shapes

### Mathematics: Applications

- develop skills linked to applications of mathematics, including trigonometry, geometry, number processes and statistics within real life contexts

# ASSESSMENT

Units will be assessed internally by your teacher as 'pass' or 'fail'. Your work will be assessed on an ongoing basis throughout the course.

Units do not contribute to your overall grade but to achieve the course qualification, you must pass all units plus a course assessment.

The course assessment for this course consists of **two** question papers. The question papers will be set and marked externally by the Scottish Qualifications Authority (SQA).

The course assessment is graded A-D.



# PROGRESSION

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

- **Higher Mathematics**
- other qualifications in Mathematics or relevant areas

## FURTHER COURSES IN TURRIFF ACADEMY

In S5/6:

Mathematics Advanced Higher

Lifeskills Mathematics