

# CAREERS INFORMATION

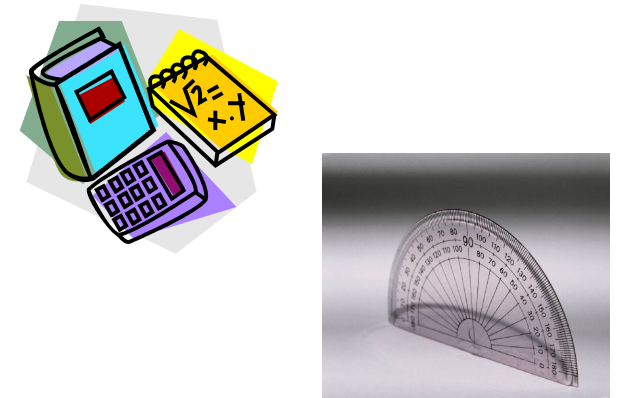


# OTHER INFORMATION

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

# Mathematics

## Applications of Mathematics National 4



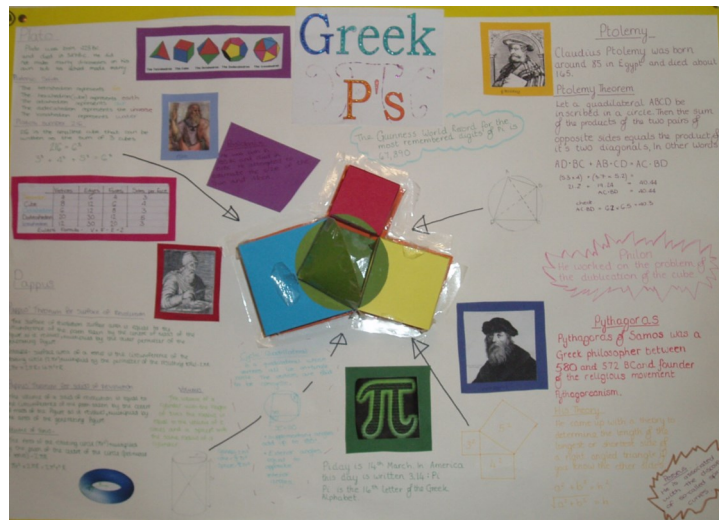
### Career Areas

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

### CHALLENGES

Scottish Mathematical Challenge  
UKMT Mathematical Challenge  
Maths in the Pipeline

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



TURRIFF ACADEMY

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# COURSE INFORMATION

## Why Applications of Mathematics?

Mathematics is important in everyday life, allowing us to make sense of the world and manage our lives. You will learn how to model real-life situations and make connections and informed predictions. You will develop the skills to interpret and analyse information, simplify and solve problems, assess risk, and make informed decisions. These skills will make you valuable to future employers.

## Course Outline

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

### Managing Finance and Statistics

- learn how to use reasoning and financial skills to manage finance and statistics in real-life situations
- learn how to budget, and how to organise and present data.

### Geometry and Measures

- learn how to apply reasoning skills and geometric skills in real-life situations
- learn how to use mathematical reasoning to interpret and use shape, space and measures.

### Numeracy

- develop your numerical and information-handling skills to solve real-life problems involving number, money, time and measurement
- learn how to interpret graphical data and use probability to solve real-life problems involving money, time and measurement.

### Added Value Unit: Applications of Mathematics Assessment

- complete a test that assesses your ability to organise and plan aspects of personal life, the workplace and the wider world using mathematical ideas and strategies
- use reasoning to apply and integrate financial, measurement, geometric and statistical skills in real-life contexts
- be assessed on your ability to use your numerical skills without the aid of a calculator.

# ASSESSMENT

Your work will be assessed by your teacher on an ongoing basis throughout the course. Items of work might include:

- practical work - handling money
- written work - spreadsheets and worksheets
- projects
- class-based exams.

You must pass all the units including the test to gain the qualification.



# PROGRESSION

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

- **National 5 Applications of Mathematics**

Further study, training or employment in:

- [Engineering](#)
- [Science and Mathematics](#)

## FURTHER COURSES IN TURRIFF ACADEMY

**National 4 Mathematics**

**National 5 Mathematics**

**Higher**

**Advanced Higher**