Noel-Baker Academy
A L.E.A.D. Academy

FURTHER MATHEMATICS

Course Leader: Mr D Green

Examination Board: AQA

This qualification is for high achieving students, currently on the Higher tier of GCSE Mathematics. It will assess their higher order mathematical skills, particularly in algebraic reasoning, preparing them fully to maximise their potential in further studies at A level.

WHAT WILL I STUDY?

Student will study the following topics:

- Number
- Algebra
- Geometry
- Calculus
- Matrix Transformations
- Geometry

HOW WILL I BE ASSESSED?

This qualification will be assessed through two equally weighted written examinations at the end of year 11, all of which are compulsory.

MODULE	ELEMENTS	ASSESSMENT	DATE	%
Paper 1	Non-calculator paper	1 hour 45 minutes	June 2022	50
Paper 2	Calculator paper	1 hour 45 minutes	June 2022	50

SKILLS REQUIRED

Pupils would be expected to be able to:

- Develop knowledge, skills and understanding of higher order mathematical methods and concepts
- Acquire and use problem solving strategies including the use of algebra as a tool for solving problems
- Select, apply and link mathematical techniques and methods to solve challenging and non-routine problems
- Reason mathematically, make deductions and inferences and draw conclusions
- Interpret and communicate mathematical information in a variety of forms appropriate to the information and context including rigorous use of algebraic argument and formal proof.

CAREERS

Most jobs and careers will need you to use mathematics in some way and it's particularly useful in job families like accountancy, banking and finance, management, environmental sciences, construction, engineering and manufacturing, medical technology, and science and research.