GCSE MATHEMATICS

COURSE OVERVIEW

Mathematics GCSE is essential for most jobs and university courses. The course is assessed through two linear exams. Both paper 1 and paper 2 have to be sat at the same time in order to pass the GCSE. Topics include: algebra, angles, compound interest, conversion rates, bearings, Pythagoras, handling data, area and volumes, and probability.

Success in GCSE Maths can also lead to further study in Mathematics or any of the sciences.

ASSESSMENT

The course is assessed through two linear exams. The first opportunity to re-sit will be November, the second will be in the following summer. Both paper 1 and paper 2 have to be sat at the same time in order to pass the GCSE.

LINEAR SPECIFICATION

Paper 1 – Non-calculator Paper

Foundation: Number work, Algebra, Angles, Transformations, Shapes and Probability, Compound interest, Reading tables, Conversion rates, Bills, Bearings.

Higher: As above with the addition of Standard form, Surds, Circle theorems, Proportion, Reverse percentages and Sectors of circles

Paper 2 – Calculator Paper

Foundation: Number work, Algebra, Area and Volumes, Pythagoras, Handling data.

Higher: As above with the addition of Velocity-time graphs, Trapezium rule, Similar triangles, Trigonometry, Cumulative frequency and Histograms.

WHAT NEXT?

A grade B in Intermediate tier GCSE Maths would enable learners to move onto Higher tier GCSE Maths.

A grade B in Higher Tier Maths is necessary for learners to progress to AS Maths.

TGAU MATHEMATEG

TROSOLWG O'R CWRS

Mae TGAU Mathemateg yn hanfodol ar gyfer y rhan fwyaf o swyddi a chyrsiau prifysgol.

Gall llwyddiant mewn TGAU Mathemateg hefyd arwain at astudiaethau pellach mewn Mathemateg neu unrhyw un o'r gwyddorau.

ASESIAD

Caiff y cwrs ei asesu trwy ddau arholiad llinol. Bydd y cyfle cyntaf i ail-sefyll ym mis Tachwedd, gyda'r ail gyfle yn yr haf sy'n dilyn. Rhaid sefyll papur 1 a phapur 2 ar yr un pryd er mwyn llwyddo ar lefel TGAU.

MANYLEB LINOL

Papur 1 – Papur Digyfrifiannell

Sylfaenol: Gwaith rhif, Algebra, Onglau, Trawsffurfiadau, Siapau a Thebygolrwydd.

Uwch: Fel yr uchod gyda Ffurf Safonol, Syrdiau a Theoremau Cylchoedd yn ychwanegol.

Papur 2 – Papur cyfrifiannell

Sylfaenol: Gwaith rhif, Algebra, Arwyneb a Chyfeintiau, Pythagoras, Triniaeth o ddata.

Uwch: Fel yr uchod gyda graffiau cyflymder-amser, rheol trapesiwm, trionglau tebyg, trigonometreg, amlder cronnus a histogramau.

BETH NESAF?

Byddai gradd B mewn Haen Canolradd TGAU Mathemateg yn galluogi dysgwyr i symud ymlaen i haen uwch TGAU Mathemateg.

Mae gradd B mewn Mathemateg Haen Uwch yn angenrheidiol i ddysgwyr symud ymlaen i AS Mathemateg.