

DEPARTMENT**MATHEMATICS****TITLE OF COURSE****LIFESKILLS MATHEMATICS****LEVEL****NATIONAL 5 Lifeskills Mathematics****RECOMMENDED ENTRY LEVEL
discretion)****National 4 Lifeskills Mathematics (or Faculty Head****COURSE CONTENT****Lifeskills Mathematics: Managing Finance and Statistics (National 5)**

The general aim of this Unit is to develop skills that focus on the use of mathematical ideas and valid strategies that can be applied to managing finance and statistics in real-life contexts which may be new to the learner. This includes skills in analysing financial positions, budgeting as well as organising and presenting data to justify solutions and/or draw conclusions. The Outcomes cover aspects of finance and statistics in real-life situations requiring mathematical reasoning.

Lifeskills Mathematics: Geometry and Measures (National 5)

The general aim of this Unit is to develop skills that focus on the use of mathematical ideas and valid strategies that can be applied to geometry and measurement in real-life contexts which may be new to the learner. This includes skills in analysing and using geometry and measures to determine and justify solutions to real-life problems. The Outcomes cover aspects of geometry and measurement in real-life situations requiring reasoning.

Numeracy (National 5)

The general aim of this Unit is to develop learners' numerical and information handling skills to solve real-life problems involving number, money, time and measurement. At this level, real-life problems will have some complex features and be set in contexts which are likely to be unfamiliar to the learner. As learners tackle real-life problems, they will decide what numeracy and information handling skills to use, and how to apply those skills to an appropriate level of accuracy. Learners will also interpret graphical data and use their knowledge and understanding of probability to identify solutions to solve real-life problems involving money, time and measurement. Learners will use their solutions to make and justify decisions.

METHODOLOGY

Teacher led classroom management with direct teaching the prime approach. Effective use is made of ICT and online materials to aid learning including: Mymaths, Numeracy Workout, TI Nspire graphic calculators. Pupils are encouraged to take ownership and responsibility for making sure tasks in school and at home are carried out effectively and that they carry out necessary revision and consolidation.

ASSESSMENT

3 end of unit assessments will test minimum competence.

End of Course examination (external) which will be graded A, B, C, D or Fail comprising of Paper 1 (non-calculator) worth 35 marks and Paper 2 (calculator) worth 55 marks.

To achieve a full course award a grade a pupil must successfully complete all five course assessments AND pass the final external exam.

DEPARTMENT**MATHEMATICS****TITLE OF COURSE****LIFESKILLS MATHEMATICS****LEVEL****NATIONAL 4 Lifeskills Mathematics****RECOMMENDED ENTRY LEVEL**
(discretion)**National 3 Lifeskills Mathematics (or Faculty Head****COURSE CONTENT****Lifeskills Mathematics: Managing Finance and Statistics (National 4)**

The general aim of this Unit is to develop skills that focus on the use of mathematical ideas and strategies that can be applied to managing finance and statistics in straightforward real-life contexts. This includes using skills in budgeting as well as skills in organising and presenting data, to explain solutions and/or draw conclusions. The Outcomes cover aspects of finance and statistics in real-life situations requiring mathematical reasoning.

Lifeskills Mathematics: Geometry and Measures (National 4)

The general aim of this Unit is to develop skills that focus on the use of mathematical ideas and strategies that can be applied to geometry and measurement in straightforward real-life contexts. This includes using skills in interpreting and in using shape, space and measures to determine and explain solutions. The Outcomes cover aspects of geometry and measurement in real-life situations requiring mathematical reasoning.

Numeracy (National 4)

The general aim of this Unit is to develop learners' numerical and information handling skills to solve straightforward, real-life problems involving number, money, time and measurement. As learners tackle real-life problems, they will decide what numeracy skills to use and how to apply these skills to an appropriate level of accuracy. Learners will also interpret graphical data and use their knowledge and understanding of probability to identify solutions to straightforward real-life problems involving money, time and measurement. Learners will use their solutions to make and explain decisions.

Added Value Unit: Lifeskills Mathematics Test (National 4)

The general aim of this Unit is to enable the learner to provide evidence of added value for the National 4 Lifeskills Mathematics Course through successful completion of a test which will allow the learner to demonstrate breadth and application. Breadth and application will be demonstrated through the use of mathematical ideas and strategies that can be applied to organising and planning straightforward aspects in personal life, the workplace and the wider world. This will include the application and integration of financial, measurement, geometric and statistical skills in real-life contexts involving reasoning. Numerical skills underpin all aspects of the Unit and the ability to use these without the aid of a calculator will also be assessed.

METHODOLOGY

Teacher led classroom management with direct teaching the prime approach. Effective use is made of ICT and online materials to aid learning including: Mymaths, Numeracy Workout, TI Nspire graphic calculators. Pupils are encouraged to take ownership and responsibility for making sure tasks in school and at home are carried out effectively and that they carry out necessary revision and consolidation.

ASSESSMENT

To achieve a full course award a grade a pupil must successfully complete all internal Unit assessments AND pass the Added Value Unit.

DEPARTMENT

MATHEMATICS

TITLE OF COURSE

LIFESKILLS MATHEMATICS

LEVEL

NATIONAL 3

RECOMMENDED ENTRY LEVELS

Learners would normally be expected to have attained the skills, knowledge and understanding required for National 2 Lifeskills Mathematics.

COURSE CONTENT

The course consists of **three** Units.

Lifeskills Mathematics: Manage Money and Data (National 3)

The general aim of this Unit is to enable learners to apply their skills, knowledge and understanding of mathematics and numeracy to manage money and data in real-life contexts. Learners will build on their mathematical and numerical skills to determine factors affecting income and expenditure, budgeting and saving. Learners will also organise, present and interpret data based on real-life contexts.

Lifeskills Mathematics: Shape, Space and Measures (National 3)

The general aims of this Unit is to enable learners to apply their skills, knowledge and understanding of shape, space and measures in real-life contexts. Learners will build on their mathematical and numerical skills by using measures and elementary geometry to tackle real-life situations.

Numeracy (National 3)

The general aim of this Unit is to develop learners' numerical and information handling skills to solve simple, real-life problems involving number, money, time and measurement. As learners tackle real-life problems, they will use their knowledge of number processes, information handling and probability to make informed decisions.

METHODOLOGY

Teacher led classroom management with the emphasis on practical activities and real-life applications of mathematics and numeracy skills. Effective use is made of ICT and online materials to aid learning including Mymaths and Numeracy Workout.

ASSESSMENT

All Units are internally assessed on a pass or fail basis. The course is assessed outcome by outcome, allowing the learner to progress at his/her own pace. The learner must achieve all the outcomes in order to gain a course award. National 3 courses are not graded.

Achievement of this course gives an automatic certification of Numeracy at SCQF level 3.

DEPARTMENT

MATHEMATICS

TITLE OF COURSE

LIFESKILLS MATHEMATICS

LEVEL

NATIONAL 2

RECOMMENDED ENTRY LEVELS

Entry for this course will be at the class teacher's discretion.

COURSE CONTENT

The course consists of **two** mandatory Units and **two** optional Units from the list below.

Mandatory units:

Lifeskills Mathematics: Number and Number Processes (National 2)

The general aim of this Unit is to enable learners to recognise and use number in real-life contexts. Learners will select and use their knowledge of number, numerical notation and number processes to tackle real-life situations.

Lifeskills Mathematics: Shape, Space and Data (National 2)

The general aim of this Unit is to enable learners to recognise and use basic shape, space and data to organise and plan a range of everyday activities. This will include interpreting and communicating information to make informed choices. Learners will also make informed choices by developing an awareness of chance and uncertainty in everyday contexts.

Optional Units—any **two** from the following three Units:

Lifeskills Mathematics: Money (National 2)

The general aim of this Unit is to enable learners to manage money in real-life contexts. Learners will recognise and use coins and banknotes, carry out basic calculations and compare costs. Learners will also apply their skills, knowledge and understanding of money to tackle real-life situations.

Lifeskills Mathematics: Time (National 2)

The general aim of this Unit is to enable learners to manage time in real-life contexts. Learners will use appropriate resources to plan and manage the timing of events or activities. Learners will also apply their skills, knowledge and understanding of time to tackle real-life situations.

Lifeskills Mathematics: Measurement (National 2)

The general aim of the Unit is to enable learners to interpret and use measurements in real-life contexts. Learners will select and use appropriate measuring instruments, and interpret the results of measurements to make decisions or choices. Learners will also apply their skills, knowledge and understanding of measurement to tackle real-life situations.

METHODOLOGY

Teacher led classroom management with the emphasis on practical activities and real-life applications of mathematics and numeracy skills. Effective use is made of ICT and online materials to aid learning including Mymaths and Numeracy Workout.

ASSESSMENT

All Units are internally assessed on a pass or fail basis. The course is assessed outcome by outcome, allowing the learner to progress at his/her own pace. The learner must achieve all the outcomes in order to gain a course award.