

NATIONALS IN A NUTSHELL

The National Parent Forum of Scotland Summary of Lifeskills Mathematics National 5

3
UNITS

**MANAGING FINANCE AND STATISTICS
GEOMETRY AND MEASURES
NUMERACY**

+
COURSE
ASSESSMENT

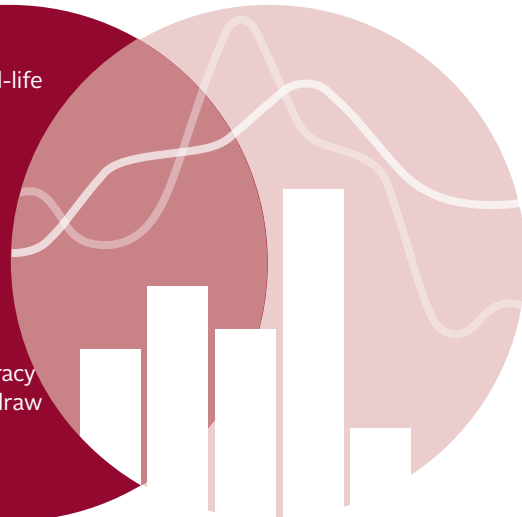
COURSE ASSESSMENT: MATHEMATICS TEST

LIFESKILLS
MATHEMATICS

NATIONAL
5

What skills will my child develop?

- the ability to select and apply mathematical skills to a range of real-life problems or situations
- analyse real-life situations with some complex features involving mathematics
- the ability to interpret straightforward real-life situations and problems involving mathematics
- identify, combine, adapt valid mathematical operational skills to tackle unfamiliar real-life situations or problems
- confidence in the subject and a positive attitude towards the use of mathematics in unfamiliar real-life situations
- use mathematical operational skills to an appropriate degree of accuracy
- use mathematical reasoning skills to generalise, build arguments, draw logical conclusions and justify decisions
- communicate mathematical information in a variety of ways
- the ability to think creatively and in abstract ways



WHAT WILL MY CHILD EXPERIENCE DURING THE COURSE?

- Active and independent learning will develop confidence and self-motivation as learners experience a range of tasks activities
- A blend of classroom approaches including whole class, small group or one to one discussions; direct interactive teaching; teamwork; using IT
- Collaborative learning using technology (blogs, software) to engage with others; partnerships with learners in the sciences, technologies, social subjects; partnerships with businesses and employers
- Space for personalisation and choice for developing areas of interest
- Applying learning to real-life situations and to course work in other subjects
- Embedding literacy and numeracy skills by learning to use mathematical language and abstract terms; presenting information; interpreting information; evaluating.

ASSESSMENT

- To gain National 5, learners must pass all Units and the Course Assessment
- Units are assessed as pass or fail by the school/centre (following SQA external quality assurance to meet national standards)
- Assessment (or 'evidence of learning') may be gathered through class work, tests, oral evidence, computer-generated class work, photographs. Learners may use these to build a portfolio to show their progress through the Units
- The Course Assessment consists of two Question Papers (exams), Paper 1 (non-calculator) and Paper 2 (calculator). The Course Assessment is marked by the SQA and is graded A to D.

ACTIVE LEARNING AND REAL LIFE CONTEXTS IN THE CLASSROOM

Our village is quite small. The local community council wanted to put information on the size of our population over the last forty years into a report about the sustainability of our community and our local services, along with information on local employment. The Chair of the community council came in to our school to tell us about their work and asked us to help with research into the population. We got in touch with our councillors and asked them to help us gather up this information. We also went to the local library. When we had as much information as possible, we put it into spreadsheets and then into a series of pie-charts, to show the changes in population over the years. We did a presentation for the community council and they used our research in their report.



For more detailed course information:

SQA: Lifeskills Mathematics National 5: www.sqa.org.uk/sqa/47418.html

Education Scotland: www.educationscotland.gov.uk/nationalqualifications/index.asp

Curriculum for Excellence Key Terms and Features Factfile:

www.educationscotland.gov.uk/Images/CfEFactfileOverview_tcm4-665983.pdf

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