#TRANSFORMING**LIVES**

Hartlepool College
of Further Education

SCHOOL OF ENGLISH AND MATHS

LEVEL 1 FUNCTIONAL SKILLS
MATHEMATICS

TRANSITION PACKAGE

WELCOME & COURSE INFORMATION

Richard, Alan, Mark, Jonathon, Anthony and Mike are all looking forward to meeting you. We make up the majority of maths tutors at HCFE and have a very successful record of delivering maths courses such as all levels of Functional Skills and GCSE 1-9.

If you are 16-18 on a full-time programme of study, lessons will be scheduled within your timetable. If you are 19+ and studying part-time, we offer morning, afternoon and evening classes. The qualification that you achieve on passing the end-exam will help improve your C.V and is recognised by both Universities and employers to help you make that next step along your chosen career path.

This qualification not only gives the learners the opportunity to demonstrate a sound grasp of both the underpinning and basic skills of mathematics but also how and when to apply these skills in order to solve simple problems in familiar everyday situations.

WHAT WILL I STUDY?

The Pearson Edexcel Functional Skills Qualification in Mathematics at Level 1 consists of one externally assessed assessment.

Each assessment comprises two sections – a non-calculator section (calculator prohibited) and a calculator section (calculator permitted). The assessments are available as paper-based and onscreen, on-demand assessment.

Functional Skills Level 1 consists of 3 main areas of mathematics:	
• Using numbers and the number system	
Number operations and their precedence	Estimations
Rounding	Fractions
Percentages	Ratio and proportion
Simple formulae	
• Using common measures, shapes and space	
Converting units	Using scales on maps and drawings
Area and perimeter of 2D shapes	Volume of cubes and cuboids
Using and measuring angles	
•Handling information and data	
Representing data in tables, diagrams and charts	Finding the mean and range of data
Probability	

HOW CAN I PREPARE FOR THIS COURSE?

Equipment required:
- Pen
- Pencil
- Rule
- Protractor
- Calculator

There are many topics within mathematics that are advantageous to know thoroughly before embarking on any mathematical qualification; these include, but are not limited to:

- Times-tables, factors and multiples
- Addition/subtraction/multiplication/division without a calculator
- Measure, read and identify basic lengths and weights
- Read, measure and record time
- Extract information from lists, tables, diagrams and charts

Try viewing weak topic areas via YouTube or access BBC Bitesize or similar: perhaps there was one you used during school?

ADDITIONAL INFORMATION

Mathematics results at Hartlepool College have gone from strength to strength over the last few years. We are consistently level or well-above the National Rates for colleges in England for both Functional Skills and GCSE and have been recently nominated in the TES FE Awards 2020 for outstanding mathematicss and English provision.

KEY TASKS

Learn the basic times-tables.

Practice adding, subtracting, multiplying and dividing without using a calculator to sharpen your mental arithmetic.

These skills will give you a solid foundation to build upon.

Complete the following tasks on the back page.

TRANSITION ACTIVITY 1: APPLES

Lottie has a bag of apples.

She gives half of them to Fred.

Fred eats two and has four left.

How many apples did Lottie have at the start?
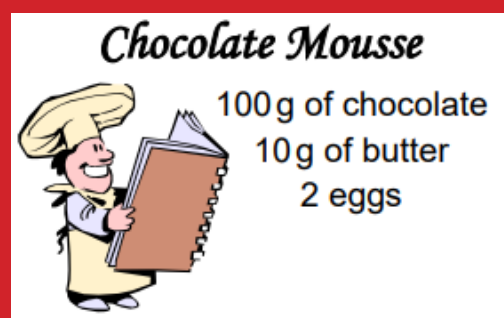
TRANSITION ACTIVITY 2: BOAT HIRE

The cost of hiring a boat is:
£4.50 for the first hour then
£2.50 for each hour after that

Vicky and her friends want to hire a boat.
They can afford £12 at the most.
How many hours can they
hire a boat for?

TRANSITION ACTIVITY 3: CHOCOLATE MOUSSE

Here is a recipe for chocolate mousse

Chocolate Mousse
100g of chocolate
10g of butter
2 eggs

This is enough chocolate mousse for two people.
I have 8 eggs, 45g of butter and 350g of chocolate.
What is the maximum number of people I can make chocolate mousse for?

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