

NANAMIC conference 2016

Updates on Level 3 Core maths

Lily Tang- Cambridge Regional College

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[core:maths]

A NEW QUALIFICATION FOR WORK, STUDY & LIFE



Sandwiches à emporter

Jambon beurré	3,50 €
Saumon de pays	4,10 €
Saumon rose	4,50 €
Thon Grillé	4,50 €
Saumon Grillé	4,50 €
Saumon	5,50 €
Pige / Quiche	4,50 €
Choucroute	4,00 €
Steak (saumon)	4,00 €
Famille	3,00 €
1 Sandwich + 1 Pain	1,00 €



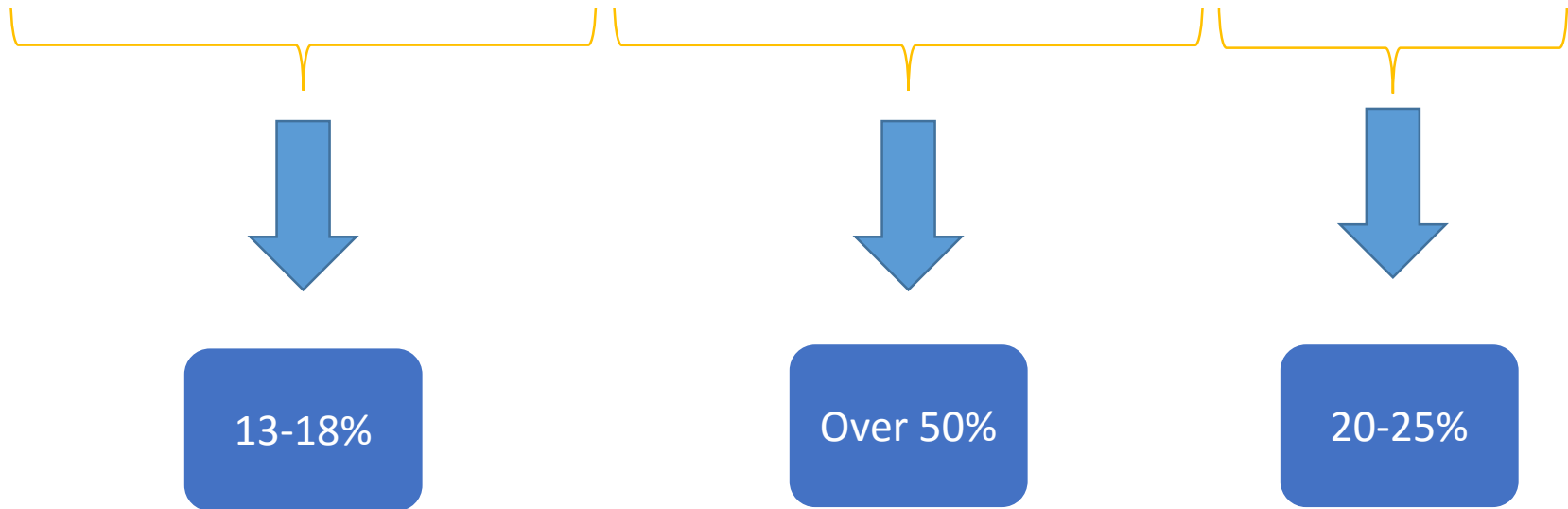
Zürich	156 km
Basel	114 km
Genève	103 km



1.6m x 5.8m
of polyester
fabric

From GCSE Maths...

G	F	E	D	C	B	A	A*
FUNCTIONAL SKILLS / NUMERACY (or a Maths course)			GCSE resit (compulsory)	Could access Core maths		Could access A-level Maths/Further Maths	



Challenges in post-16 maths

Many students without maths to 18 are not equipped for higher education study, and some with A level maths.

- 330,000 students start courses each year which require advanced (post-GCSE) maths, but over 200,000 of them will not have studied beyond GCSE (ACME, *Mathematical Needs*)
- ***“Many undergraduate students are surprised at the amount of mathematical content in their degree programmes and some struggle to cope with this content..”***

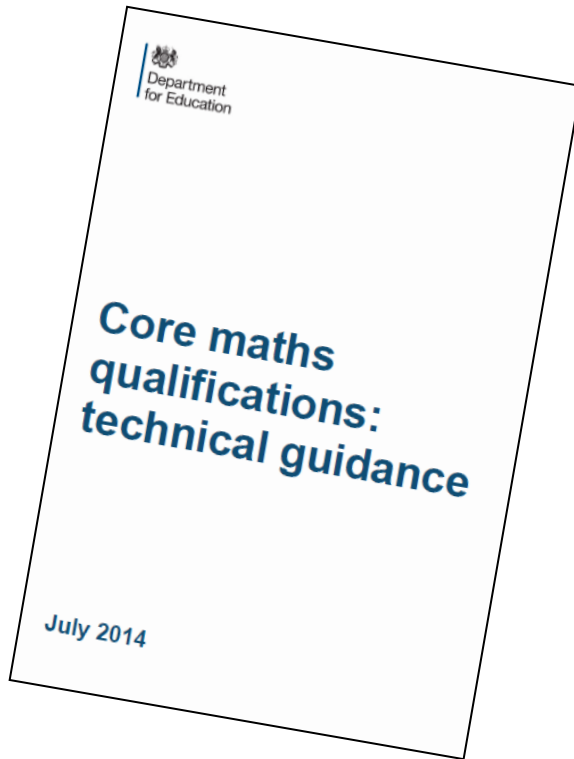


Department
for Education

(Higher Education Academy,
Mathematical Transitions)



Details of Core Maths qualifications



- 2-year course (1 year is possible)
- 180 guided learning hours
- Level-3 Qualification for students with GCSE Maths Grade C or above
- Real life Problem Solving maths
- Equivalent to an AS-level (with UCAS points)
- Offered by all the major Awarding Organisations





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- ✓ For people with bad credit or building credit
- ✓ £200 - £1,500 credit limit
- ✓ Up to two optional credit increases per year, subject to eligibility

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[Check your eligibility >>](#)

Hints and tips:

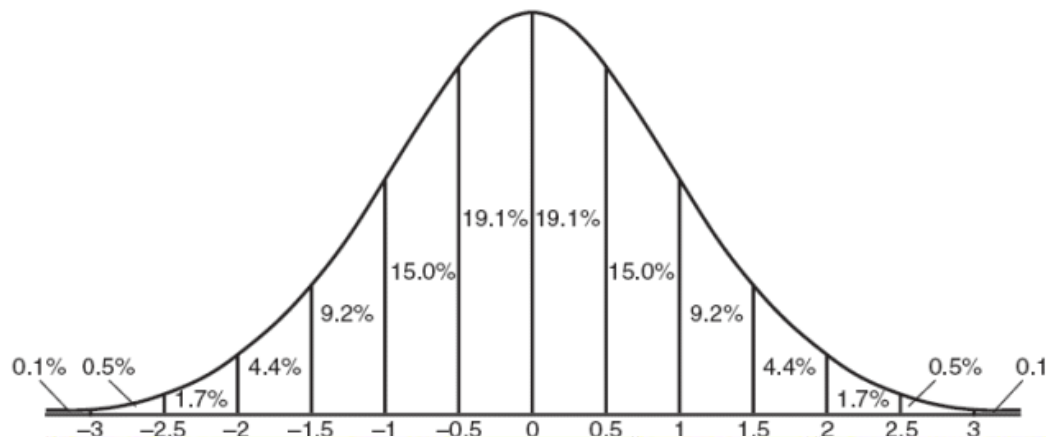
To build your credit rating and potentially be eligible for credit limit increases, use your card to make your monthly minimum payment on time and staying below your credit limit. Not doing so could affect your credit rating. If you apply we'll run identity and fraud checks, which could stop us from opening your account.

[What is a monthly minimum payment?](#) ?

Is this credit card right for you?

Representative example: Assuming a credit limit of £1,200 and an interest rate on purchases of 34.94% p.a. variable, you will receive a 34.9% APR representative variable.

Normal Curve Standard Deviation



Employee No.	Employee			Date.	National Insurance No.
1234C	G B Ellington			13-Jan-12	NW 22 22 22 A
Payments	Units	Rate	Amount	Deductions	Amount
Standard Rate	17.00	12.50	212.50	Income Tax	238.00
Overtime	5.00	25.00	125.00	National Insurance	86.00
Total Hourly Pay			337.50	Stakeholder Pension	50.00
Basic pay			610.00	Student Loan Repayment	70.00
OSPP Added			128.73	Attch:CSA	73.00
Total Payments			1,076.23	Total Deductions	517.00

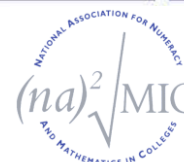
Top 10 most eurosceptic

1. Havering	
2. Peterborough	
3. Bracknell Forest	
4. Blackpool	
5. Blackburn with Darwen	
6. Southend on Sea	
7. Warrington	
8. South Tyneside	
9. Sandwell	
10. Cumbria	

Top 10 most europhile

1. Ceredigion	
2. Aberdeen City	
3. Stirling	
4. Lambeth	
5. Camden	
6. West Dunbartonshire	
7. Southwark	
8. Hackney	
9. City of Edinburgh	
10. Brent	

	Totals This Period	Totals Year To Date
Total Payments	1,076.23	Taxable Gross Pay 39,741.00
Total Deductions	517.98	Income Tax 8,017.00
		Employee NIC 3,306.00
		Employer NIC 4,714.00
		Employee Pension 2,000.00
		Employer Pension 200.00
Payment Method: Cash		NET PAY £ 558.25



Double maths? We'd rather learn to unblock the toilet

by AIDAN RADNEDGE

THINK of all the things you were taught at school – maths, chemistry and geography, for example.

How much use have they been in your everyday life? Would you have rather have learned how to change a tyre or take out a home loan?

They're among the top 30 skills we wish our teachers had instilled in us, according to a survey.

Managing a budget tops the list, with more than a third wishing they had been properly instructed.

Four in ten adults do not feel school taught them enough to get through life. Drama, art and French were named as the least useful lessons.

Six in ten regret the route they took at school while half have retrained.

'Many people start climbing the ladder in one sector then get to a point where they want to try something new, because their interests have changed,' said Gary Measures, of training firm Able Studies, which commissioned the study. 'Those who feel this way should know it doesn't matter what age they are, there are ways to retrain.'



Thursday, November 12, 2015

The top 30 skills we wished we'd learned at school

1. How to budget
2. The importance of insurance
3. How loans work
4. How to wire a plug
5. How to take out a pension
6. How to drive
7. How to buy a house
8. How to put up a shelf
9. How to open a bank account
10. How to plaster a wall
11. How to change a car tyre
12. How to turn the water off in the house
13. Things to look for when buying a second-hand car
14. How to change the taps
15. How to lay a carpet

day, November 12, 2015 **METRO** 19

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National Picture

Type of institution	Number of centres Teaching Core Maths		Total number of institutions	Percentage coverage	
	2014-15	2015-16		2014-15	2015-16
Schools with sixth forms	77	245	2104	4%	12%
Sixth Form Colleges	14	33	95	15%	35%
FE Colleges	54	68	225	24%	30%
Studio schools/ UTC	3	15	52	6%	29%
Total	148	361	2476	6%	15%



Core Maths: not more Maths

- Skilled based course rather than a content based course
- Actually **doing** Maths rather than **learning** maths

How should we change our approach in teaching it?

able to explain
clearly their
method (not just
speaking)

use of tables
and/or
spreadsheets

resilience

See the maths in
the problem

not stopping at
one answer

refining
estimations

structuring
mathematical
argument

Determining
whether it is one
answer or a range
of answers

checking
answers

stating
assumptions

Brave enough to
face unfamiliar
Maths

Pick out the
useful part of
the data

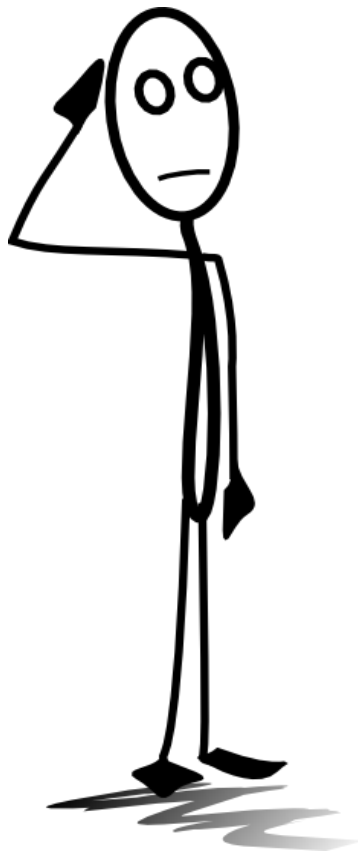
Critical Analysis
of data



How's things doing in FE?

- A much needed qualification for FE colleges which do not currently have any Level 3 Maths provision
- Focusing on one or two faculties e.g. BTEC Science
- Work closely with the departments
- Get the ball rolling...under the 'post-16 maths reform storm'

Entitlement, not compulsion



'It is ethical for us as a post-16 institution to provide an alternative to A-level maths for students who do not have the GCSE Maths grade for A-level Maths, but still very much need to continue studying Maths in support of their A-level subjects as well as preparation for university.'



+ IT ALL ADDS UP!

Welcome to the Core Maths Support Programme website, here you will find all the information you need to know about the new Level 3 Core Maths Qualification, whether you are a [Student](#), [Parent or Carer](#), [Teacher](#), [Employer](#) or [University](#).

Core Maths will help students develop their skills so they can benefit from them in the real world, be it in work, study or everyday life.

FIND OUT MORE



CMSP Phase 2 (2016/17)- 35 CMLs @0.4 FTE proposed

Increasing Capacity:

- Centres teaching Core Maths and upscaling provision
- Teachers trained to teach Core Maths

Transitioning to Maths Hubs:

- Level 3 Coordination
- Clusters/ networks >> workgroups

Promoting Core Maths

- Endorsement and recognition from employers and Higher Education



- **Now let's do some maths!**



- Q and A?

Contact details:

- Core Maths Support Programme
CMSP@educationdevelopmenttrust.com

