Starter

What information can we get from these images ?

Can you put them in the correct order?

Pearson Edexcel Level 3 Certificate

Tuesday 4 June 2024

Afternoon (Time: 1 hour 40 minutes) | Paper reference 7MC0/01

Mathematics in Context

PAPER 1: Comprehension

Source Booklet

Do not return this Booklet with the question paper.

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

14 May 2024

Title: Core Maths In Context

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Welcome to A level

Core Maths in Context

Induction

27th June 2024

Haileybury Turnford School

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Learning objectives

- To understand the course content.
- To understand who this course is designed for
- To gain insight into course duration.
- Is the certificate accredited by universities and employers?

Key words:

Maths in context

Accreditation

UCAS points

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Explanation

Core Expectations for **Every Lesson**

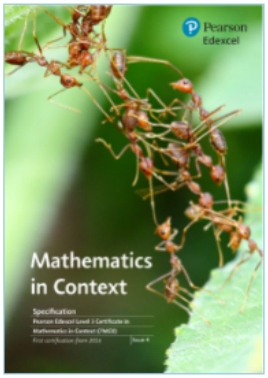
1. Attend lessons on time and in professional attire
2. Be prepared for each lesson by ensuring you bring the appropriate equipment
3. Ensure all work is organised in the appropriate section of your subject folder
4. All deadlines must be met to avoid a 6 week “Risk of Failure” program
5. Respect the classroom, Replace chairs, Rubbish in bins
6. Speak to **ALL** members of the HT community with respect
7. No mobile phones/ear pods to be used in lessons or around the school
8. Starters are to be completed in silence
9. Be proactive and not reactive
10. Expect to work harder than you ever have before

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Explanation

Specification



DOWNLOAD

PDF | 678.5 KB

Qualification type: Core Maths qualification

Qualification title: Pearson Edexcel Level 3 Certificate in Mathematics in Context

Level: Level 3

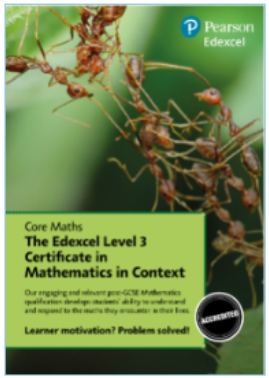
Accreditation status: Accredited

Availability: UK and international

First teaching: 2014

First assessment: 2016

Guide



DOWNLOAD

PDF | 1.3 MB

Course materials

- Specification and sample assessments (3)
- Exam materials (57)
- Stakeholder recognition (6)
- Teaching and learning mate
(36)

Useful links

Mathematics Emporium

The Mathematics Emporium contains a rich source of resources. Keep up to date with emails and gain easy access to all the materials you need to teach Mathematics in Context (Core Maths).

Sign up to the Emporium

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Explanation

Mathematics in context Course overview

- Mathematics in Context is real life math's for real life problems. Explore mathematical concepts in the way that the professionals do, exploring theory and immediately applying this to a real life scenario/career where it would be present.

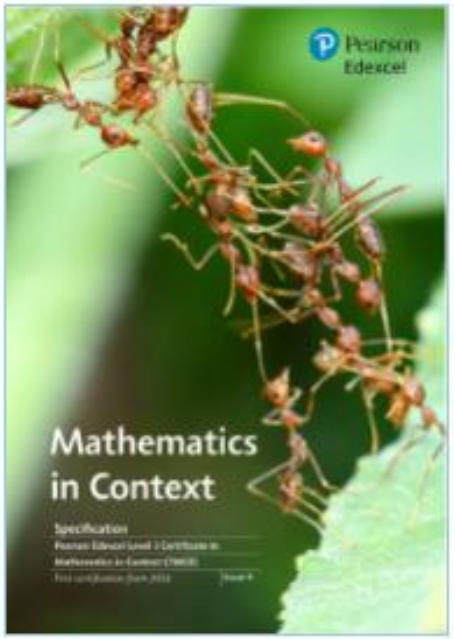
- It covers: Applications of Statistics, Probability, Linear Programming and Sequences and Growth.

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Explanation

Important questions and answers



1) What is the qualification type?

Core Maths qualification

2) What is the Qualification title?

Pearson Edexcel Level 3 Certificate in mathematics in context

3) What is qualification level?

Level 3

4) Is this course accredited by any organizations?

Yes, it is accredited by Universities and employers

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Higher Education Institution (HEI) recognition

University Recognition letters

ROYAL HOLLOWAY UNIVERSITY OF LONDON

Royal Holloway
University of London
Egham, Surrey
TW20 0EX

Registry
+44 (0) 1784 276240
+44 (0) 1784 414699

David MacKay
Head of Stakeholder Engagement (HE)
Pearson
Regulatory Stakeholder Relations
Quality, Standards and Research Division
One90 High Holborn
London
WC1V 7BH

06 August 2014

Dear David,

Letter of support for the new Pearson Core Maths Qualification

The Department of Psychology of Royal Holloway, University of London recognises the following qualification as being fit for purpose and we believe that it will prepare students for the mathematical demands of our undergraduate degree courses:

Pearson Edexcel Level 3 Certificate in Mathematics in Context

We confirm that we support the introduction of this qualification.

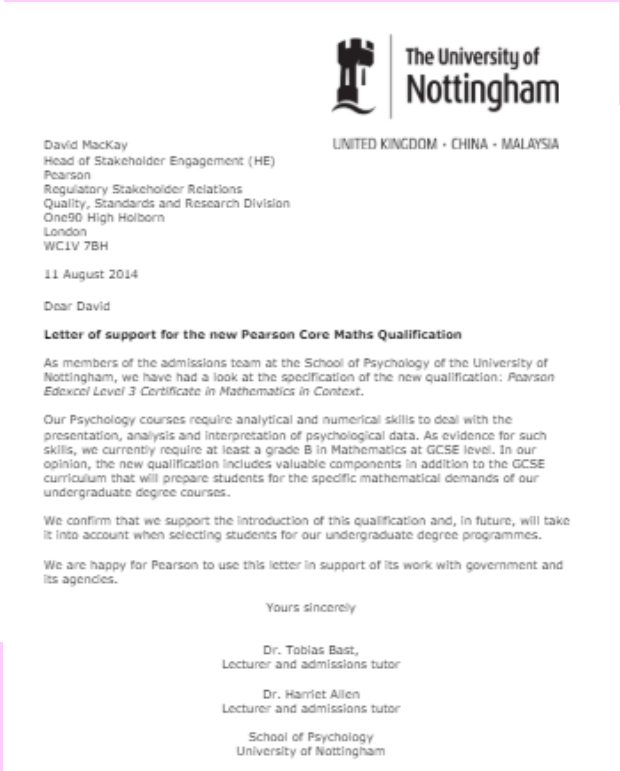
We are happy for Pearson to use this letter in support of its work with government and its agencies.

Yours sincerely,

Professor Patrick Leman
Head of Department

ROYAL HOLLOWAY UNIVERSITY OF LONDON

Royal Holloway
University of London
Egham, Surrey
TW20 0EX



The University of Nottingham

UNITED KINGDOM · CHINA · MALAYSIA

David MacKay
Head of Stakeholder Engagement (HE)
Pearson
Regulatory Stakeholder Relations
Quality, Standards and Research Division
One90 High Holborn
London
WC1V 7BH

11 August 2014

Dear David

Letter of support for the new Pearson Core Maths Qualification

As members of the admissions team at the School of Psychology of the University of Nottingham, we have had a look at the specification of the new qualification: *Pearson Edexcel Level 3 Certificate in Mathematics in Context.*

Our Psychology courses require analytical and numerical skills to deal with the presentation, analysis and interpretation of psychological data. As evidence for such skills, we currently require at least a grade B in Mathematics at GCSE level. In our opinion, the new qualification includes valuable components in addition to the GCSE curriculum that will prepare students for the specific mathematical demands of our undergraduate degree courses.

We confirm that we support the introduction of this qualification and, in future, will take it into account when selecting students for our undergraduate degree programmes.

We are happy for Pearson to use this letter in support of its work with government and its agencies.

Yours sincerely

Dr. Tobias Bast,
Lecturer and admissions tutor

Dr. Harriet Allen
Lecturer and admissions tutor

School of Psychology
University of Nottingham

Patron: HRH The Prince of Wales

UEA
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David MacKay
Head of Stakeholder Engagement (HE)
Pearson
Regulatory Stakeholder Relations
Quality, Standards and Research Division
One90 High Holborn
London
WC1V 7BH

08 August 2014

Dear David

Letter of support for the new Pearson Core Maths Qualification

The School of Environmental Sciences of the University of East Anglia recognises the following qualification as being fit for purpose and we believe that it will prepare students for the mathematical demands of our undergraduate degree courses:

Pearson Edexcel Level 3 Certificate in Mathematics in Context

We confirm that we support the introduction of this qualification and, in future, will take it into account when selecting students for our undergraduate degree programmes.

We are happy for Pearson to use this letter in support of its work with government and its agencies, and for the letter to be published on its website alongside the qualification specification.

Yours sincerely

Prof. T. Jickells

Head of School

ctives:

- n overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Employer recognition

Employers Recognition letters

Brighten_Jeffrey_James

James Emmett
Head of Stakeholder Engagement (Employers)
Pearson
Regulatory Stakeholder Relations
Quality, Standards and Research Division
One90 High Holborn
London
WC1V 7BH

08 August 2014

Dear James

Letter of support for the new Pearson Core Maths Qualification

As an employer, we recognise the following qualification as being fit for purpose and we believe that it will prepare students for the mathematical demands of employment:

Pearson Edexcel Level 3 Certificate in Mathematics in Context

We confirm that we support the introduction of the qualification as designed and in the future, we will recognise the qualification in our recruitment process.

We are happy for Pearson to use this letter in support of its work with government and its agencies, and for the letter to be published on its website alongside the qualification specification.

Yours sincerely

Rob Trotter
Director

SIEMENS

James Emmett
Head of Stakeholder Engagement (Employers)
Pearson
Regulatory Stakeholder Relations
Quality, Standards and Research Division
One90 High Holborn
London
WC1V 7BH

Name: Brenda Yearsley
Department: Entry Level Talent
Division: Siemens plc
Telephone: 0161 446 5679
Email: Brenda.yearsley@siemens.com

Date: 04 August 2014

Dear James,

Letter of support for the new Pearson Core Maths Qualification

As an employer, we recognise the following qualification as being fit for purpose and we believe that it will prepare students for the mathematical demands of employment:

Pearson Edexcel Level 3 Certificate in Mathematics in Context

We confirm that we support the introduction of the qualification as designed and in the future, we will recognise the qualification in our recruitment process when individuals apply for jobs with us.

We are happy for Pearson to use this letter in support of its work with government and its agencies, and for the letter to be published on its website alongside the qualification specification.

Yours Sincerely

Brenda

Brenda Yearsley
School and Education Development Manager

About Siemens in the UK:
Siemens was established in the United Kingdom 170 years ago and now employs around 13,500 people in the UK. Last year's revenues were £3.2 billion*. As a leading global engineering and technology services company, Siemens provides innovative solutions to help tackle the world's major challenges. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey. The company's global headquarters is in Munich, Germany. For more information, visit www.siemens.co.uk
* Data includes intercompany revenue. Data may not be comparable with revenue reported in annual or interim reports.

Siemens Plc

Sir William Siemens Square
Frimley
Camberley
GU16 8QD

Tel: 01276 696000
Fax: 01276 696133

Registered Office: Siemens plc, Faraday House, Sir William Siemens Square, Frimley, Camberley, GU16 8QD - Registered No. 727817, England

Explanation

Who is the Core Maths in context Couse design for :

- This course is intended for the students who have passed GCSE Mathematics at grade 4 or above, but who have not chosen to study AS or A level Mathematics.

- It is usually studied over a one year or two-year period and can be taken alongside A levels or other qualifications, including vocational courses such as T-levels.

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Checking Progress

- **How long is the Course duration:**

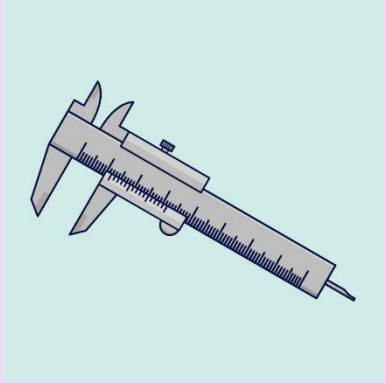
34 weeks. 4.5 hours per week class time

- **What is this Qualification equivalent to?**

Level 3 Certificate (Equivalent to an AS Level)

- **What is the Entry criteria (GCSE grades)?**

GCSE Level 4 in Maths or better



Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Explanation

Course description:

- It is Mathematical Studies which is intended to **consolidate and extend** mathematics learnt at GCSE.
- It is designed for **students who need mathematical skills to support their other subjects or employment.**
- In this course, students will apply statistical thinking and use formulas, tables, spreadsheets, graphs, probability, algebraic formula and sequences to solve problems in a variety of contexts.
- The skills developed in this course can be used in **other A Level qualifications** such as **biology, physics, chemistry, business, economics, computing and psychology.**

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Checking Progress

The purposes of this qualification are to:

- consolidate and build on students' mathematical understanding, and develop further mathematical understanding and skills in the application of mathematics to authentic problems
- build a broader base of mathematical understanding and skills in order to support the mathematical content in other Level 3 qualifications, for example GCE A Level Biology, Business Studies, Economics, Computing, Geography, Psychology, BTEC Applied Science, Business, Health and Social Care, IT
- provide evidence of students' achievements against demanding and fulfilling content, to give them the confidence that the mathematical skills, knowledge and understanding they will acquire during the course of their study are as good as that of the highest-performing jurisdictions in the world
- prepare students for the range of varied contexts that they are likely to encounter in vocational and academic study, future employment and life.

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Checking Progress

Qualification aims and objectives

The aims and objectives of the Pearson Edexcel Level 3 Certificate in Mathematics in Context are to enable students to:

- develop competence in the selection and use of mathematical methods and techniques
- develop confidence in representing and analysing authentic situations mathematically, and in applying mathematics to address related questions and issues
- build skills in mathematical thinking, reasoning and communication.

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Checking Progress

Mathematical Studies is particularly suitable for future students of psychology, geography and other subjects which make extensive use of statistical techniques. The content of Mathematical Studies requires understanding and application of: modelling, statistics, finance, risk, statistical problem solving and the use of technology.

How the course is assessed:

There will be two examination papers at the end of the course. Both are equally weighted and 90 minuted duration.

1. Finance, Estimation and Critical Analysis
2. Statistical problem solving

What are Post-18 opportunities:

Mathematical skills are relied upon on a day-to-day basis in both further study and employment. Core Maths will be able to help students develop these mathematical skills in order to become comfortable in dealing with a wide range of problems. Core Maths can help prepare students for mathematical demands of a variety of university courses.

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Checking Progress

Level 3 Mathematics in Context

Grade Boundaries:
May 2016 Examinations

Paper	A	B	C	D	E
Paper 1 (out of 60) – weighting 40%	46	40	35	30	25
Paper 2 (out of 80) – weighting 60%	61	53	45	37	29

Marks for paper 2 are scaled by a factor of 1.125 to give overall mark boundaries of

	A	B	C	D	E
TOTAL (out of 150)	**115**	**100**	**86**	**72**	**58**

Provisional Pass Rate Statistics:
May 2016 Examinations

	A	B	C	D	E
Level 3 Mathematics in Context	7.7	13.2	28.6	50.5	68.1

e and its content.

- To understand who this course is designed for.

Checking Progress

Level 3 Mathematics in Context

Grade Boundaries:
June 2023 Examinations

Level 3 Mathematics in Context	A	B	C	D	E
Paper 1 (out of 60) – weighting 40%	48	42	36	30	24
Paper 2 (out of 80) – weighting 60%	56	48	40	32	25

Marks for paper 2 are scaled by a factor of 1.125 to give overall mark boundaries of

Level 3 Mathematics in Context	A	B	C	D	E
TOTAL (out of 150)	111	96	81	66	52

Provisional Pass Rate Statistics:
June 2023 Examinations

	A	B	C	D	E
Level 3 Mathematics in Context	14.6	31.3	49.4	68.4	81.4

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Performance measures and UCAS points

Mathematics in Context is approved to be included in the 16-19 schools and colleges performance tables from 2017 as part of the Level 3 Maths measure, and for the mathematics component of the Technical Baccalaureate.

It is recognised in UCAS points as follows:

Grade	UCAS points
A	20
B	16
C	12
D	10
E	6

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Explanation

Core Maths
Day 2 Subject Numbers (Friday 28th June 2024)
External Students
Period 5

Dabare	Sienna
Dosunmu	Oluwaseun
Green	Brianna
Ismetova	Alisa
Maisuria	Ruby
Reeves	Sebastian
Waldon	Alex
West	Cameron

Lear

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Thank you

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Homework

Take the study booklet and make sure you have done enough revision before the beginning of the course

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

Everybody reads

Rules

- ✓ **Everyone is silent.**
- ✓ **Everyone is reading.**
- ✓ **Everyone notes down new/ unfamiliar words.**
- ✓ **Everyone tries <u>without help</u>.**

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.

End & send

Expectations

- ✓ **All equipment away**
- ✓ **All rubbish in the bin**
- ✓ **Everybody leaves in a calm manner.**

Learning objectives:

- To have an overview about Core Maths in Context course and its content.
- To understand who this course is designed for.