August 2023

Course Mapping Guide FE Mathematics



About CENTURY

CENTURY is a learning platform that uses artificial intelligence to personalise learning for every learner. Our team of experienced teachers have created all of our content for English, maths, science, geography and physical education from years 2 to 11, as well as functional skills content for post-16 learners. All courses are aligned to the national curriculum and national standards.

- Learning materials and questions for primary, secondary and post-16 learners
- Tailored to each learner's skills and knowledge
- Powered by the world's leading adaptive learning platform
 - Web-based learning for tablets, laptops and desktops



How does **CENTURY** work?



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Diagnostics

Learners begin by completing diagnostics that quickly identify knowledge gaps and misconceptions, and help CENTURY recommend the best learning materials for each individual learner.

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Recommended Path

This constantly adapting personalised pathway contains micro-lessons designed to address gaps in knowledge, provide stretch and challenge and promote long-term memory retention.

Leadership Dashboard

Senior and middle leaders get an overview of performance and engagement on a subject, class and learner level.



Learners get rewarded with badges and streaks for completing micro-lessons or for using CENTURY over a certain period of time to increase their motivation and engagement.

Automated Marking

Micheal's Recommended Path

Teachers can view data in real time, to help quickly identify which learners require additional support or further stretch.



Use the markbook to monitor individual learners and whole-class trends with a range of dashboards.



Learner Dashboard & Guardian Portal

Learners can identify their strengths and areas for improvement. Parents and guardians can monitor their learner's progress, completed work, and see work set.



FE Mathematics Course Mapping

Teacher Dashboard

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Course List

FE Mathematics

The FE GCSE courses are adapted from the secondary mathematics courses, with resitting students in mind. The courses have specific calculator and non-calculator diagnostics which are designed to quickly identify a learner's strengths and weaknesses.

The Functional Skills courses cover the mathematical knowledge and skills required for the Functional Skills qualifications, mapped to the national requirements outlined by the DfE in 'Subject content functional skills: mathematics'.

GCSE

→ FE – Mathematics GCSE (F) Diagnostics 10 Strands 52 Nuggets 675 View Course Content

→ FE – Mathematics GCSE (H) Diagnostics 25 Strands 64 Nuggets 961

View Course Content

Functional Skills

Entry 1,2 & 3

FE – Mathematics
Functional Skills (Entry 1)
Diagnostics 3 Strands 4 Nuggets 33

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→ FE – Mathematics Functional Skills (Entry 2) Diagnostics 2 Strands 4 Nuggets 72

View Course Content

FE – Mathematics
Functional Skills (Entry 3)
Diagnostics 3 Strands 4 Nuggets 75
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Level 1 & 2

→ FE – Mathematics Functional Skills (Level 1) Diagnostics 2 Strands 18 Nuggets 154

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→ FE – Mathematics Functional Skills (Level 2) Diagnostics 3 Strands 18 Nuggets 285

View Course Content



Courses suitable for all GCSE specifications: Edexcel: 1MA1 (QAN: 601/4700/3) AQA: 8300 (QAN: 601/4608/4) OCR: J560 (QAN: 601/4606/0) Eduqas: C300P (QAN: 601/5503/6)



FE Mathematics Course Mapping

Course Content FE – Mathematics GCSE: Foundation & Higher



Diagnostics 7 Strands 64 Nuggets 961

These courses cover all the content required for those in post-16 education targeting the Foundation or Higher GCSEs. They are also suitable for KS4 students who are sitting the GCSE exam in the current academic year.

Strands

A strand is a sequence of nuggets grouped by theme or topic, forming a high-level organisation of content within a course.

(F) Foundation Only **(H)** Higher Only

Strand	Nuggets	Course
Diagnostics	3	
Higher Diagnostics	4	H
Simple Arithmetic	14	
Understanding Number	13	
Four Operations	19	
Working with Fractions	41	
Factors, Multiples and Primes	20	
Working with Decimals	14	
Introduction to Percentages (NC)	15	
Fractions, Decimals and Percentages	19	

Strand	Nuggets	Course
Recurring Decimals	8	H
Rounding	24	
Percentages Non-Calculator	6	
Percentages Calculator	19	
Powers and Roots	7	
Surds	16	H
Indices	24	
Standard Form	10	
Ratio	22	
Ratio and Proportion	16	
Introduction to Algebra	18	
Expanding and Factorising	25	
Solving Linear Equations	33	
Solving Quadratic Equations	14	
Completing the Square	9	H
Algebraic Fractions	13	H
Formulae	11	
Algebraic Proof	4	
Functions	17	
Sequences	19	
Straight Line Graphs	26	
Quadratic and Other Graphs	36	
Inequalities	21	

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FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Nuggets	Course
Introduction to Geometry	16	
Angles	12	
Angles in Polygons	11	
2D Shapes	7	
Perimeter	6	
Area	9	
Circles	19	
3D Shapes	4	
Volume	18	
Surface Area	9	
Measure	22	
Time and Money	12	
Compound Measure	25	
Scale Drawings and Bearings	10	
Transformations	24	
Circle Theorems	12	H
Vectors	13	
Construction and Loci	10	
Similarity	10	
Pythagoras	7	
Right-Angled Trigonometry	8	
Advanced Trigonometry	18	H
3D Trigonometry	5	H

	33***	Sourse
Probability	28	
Sets and Venn Diagrams	20	
Collecting Data	8	
Analysing Data	21	
Displaying Data	18	
Cumulative Frequency and Box Plots	14	H
Histograms	12	H
Topic Diagnostics	10	
Higher Topic Diagnostics	11	H
Topic Diagnostics: Number	29	
Topic Diagnostics: Ratio and Proportion	6	
Topic Diagnostics: Algebra	23	
Topic Diagnostics: Graphs	10	
Topic Diagnostics: Geometry	28	
Topic Diagnostics: Measures	7	
Topic Diagnostics: Probability	6	
Topic Diagnostics: Statistics	7	

FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher



Nuggets

A nugget is a micro-lesson that contains learning material followed by questions to assess learning.

(F) Foundation Only **(H)** Higher Only

Strand	Code	Nugget Name	Course
Diagnost	ics		
	MFE0.07	Diagnostic: GCSE	F
Diagnostics	MFE0.01	Diagnostic: Non-calculator	E
	MFE0.02	Diagnostic: Calculator	E
	MFE0.03	Diagnostic: Non-calculator	H
	MFE0.04	Diagnostic: Calculator	H
	MFE0.05	Diagnostic (Aiming Higher): Non-calculator	H
	MFE0.06	Diagnostic (Aiming Higher): Calculator	H
Number			

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Simple Arithmetic

MF1.01 Addition

MF1.02	Subtraction
MF1.03	Addition and Subtraction
MF1.04	Times Tables: 2, 5 and 10
MF1.05	Times Tables: 3 and 4
MF1.06	Times Tables: 6 and 7
MF1.07	Times Tables: 8 and 9
MF1.08	Times Tables: 11 and 12
MF1.09	Commutative Law

FE Mathematics Course Mapping

Strand	Code	Nugget Name	Course
Simple Arithmetic	MF1.10	Associative Law	
	MF1.11	Division: 1, 2, 3, 4, 5 and 10	
	MF1.12	Division: 6, 7, 8, 9, 11 and 12	
	MF1.13	Division: Mixed	
	MF1.14	Distributive Law	
	MF2.01	Integer Place Value	
	MF2.02	Mathematical Symbols	
	MF2.14	Negative Numbers	
Understanding Number	MF2.04	Symmetrical Subtraction	
	MF2.05	Adding Negatives	
	MF2.06	Subtracting Negatives	
	MF2.15	Negatives and Positives	
	MF2.08	Ordering Integers	
	MF2.09	Ordering Decimals	
	MF2.10	Ordering Negatives	
	MF2.11	Multiplying by Powers of Ten	
	MF2.12	Dividing by Powers of Ten	
	MF2.13	Rounding to the nearest 10, 100 and 1000	
	MF3.01	Column Addition	
ation	MF3.02	Column Subtraction	
Oper	MF3.03	Addition and Subtraction: Worded Questions	
Four	MF3.04	Multiplying Negatives	
<u>.</u>	MF3.05	Dividing Negatives	

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Strand	Code	Nugget Name	Course
	MF3.06	Multiplying and Dividing with Negatives	
Four Operations	MF3.07	Column Multiplication	
	MF3.08	Grid Multiplication	
	MF3.09	Multiplication with Napier's Bones	
	MF3.10	Testing for Divisibility	
	MF3.11	Short Division	
	MF3.12	Dividing by Multi-Digit Numbers	
	MF3.13	Multiplication and Division: Worded Questions	
	MF3.14	BIDMAS Introduction	
	MF3.15	BIDMAS Intermediate	
	MF3.16	BIDMAS Advanced	
	MF3.17	Using a Calculator 1: Powers and Roots of a Single Number	
	MF3.18	Using a Calculator 2: Multiple Numbers	
	MF3.19	Long Division	
	MF4.01	Expressing Fractions	
SU	MF4.02	Ordering Fractions	
ractio	MF4.03	Equivalent Fractions	
with F	MF4.04	Simplifying Fractions	
orking	MF4.05	Shading Fractions	
Ma	MF4.06	Mixed and Improper Fractions	
	MF4.07	Adding Fractions 1: Same Denominator	

Strand	Code	Nugget Name	Course
	MF4.08	Adding Fractions 2: Convert 1 Denominator	
	MF4.09	Adding Fractions 3: Convert 1 Denominator (Sum >1)	
	MF4.10	Adding Fractions 4: Convert all Denominators	
	MF4.36	Fractions: Subtracting from 1	
	MF4.11	Subtracting Fractions	
	MF4.12	Adding and Subtracting Fractions	
	MF4.13	Adding Improper Fractions	
	MF4.14	Adding Mixed Numbers	
	MF4.15	Adding Improper Fractions and Mixed Numbers	
ctions	MF4.16	Subtracting Improper Fractions	
h Frac	MF4.17	Subtracting Mixed Numbers	
ng wit	MF4.18	Subtracting Improper Fractions and Mixed Numbers	
Vorki	MF4.19	Adding and Subtracting Improper Fractions	
	MF4.20	Adding and Subtracting Mixed Numbers	
	MF4.21	Adding and Subtracting Improper Fractions and Mixed Numbers	
	MF4.37	Fractions on a Number Line 1: Between 0 and 1	
	MF4.38	Fractions on a Number Line 2: Beyond 1	
	MF4.22	Reciprocals	
	MF4.23	Multiplying Fractions 1	
	MF4.24	Multiplying Fractions 2	
	MF4.25	Dividing Fractions	
	MF4.26	Multiplying and Dividing Mixed Numbers	

Strand	Code	Nugget Name	Course
	MF4.27	Multiplying with Whole Numbers and Fractions	
	MF4.28	Dividing with Whole Numbers and Fractions	
	MF4.39	Fraction of Amounts: Modelling	
	MF4.29	Fraction of Amounts: Non-Calculator	
	MF4.30	Fraction of Amounts: Calculator	
th Fra	MF4.31	Increasing and Decreasing by Fractions	
Working wi	MF4.40	Fraction of Amounts: Modelling Finding the Whole	
	MF4.32	Reverse Fractions	
	MF4.33	Reverse Fractions: Worded Questions	
	MF4.34	Estimating Products of Fractions	
	MF4.35	Dividing Fractions (Bar Model)	
	MH4.34	Applied Fractions	•
	MF5.01	Odds and Evens with Addition and Subtraction	
	MF5.02	Odds and Evens with Multiplication	
S	MF5.03	Primes	
Prime	MF5.04	Multiples	
s and	MF5.05	Factors	
ltiples	MF5.06	Multiples and Factors	
s, Mu	MF5.07	Lowest Common Multiple - Listing Technique	
actor	MF5.08	Highest Common Factor - Listing Technique	
ш.	MF5.09	Prime Factorisation 1: Factor Tree Given	
	MF5.10	Prime Factorisation 2	
	MF5.11	Uses of Prime Factorisation	

Strand	Code	Nugget Name	Course
	MF5.12	HCF Using Prime Factorisation: Venn Diagrams	
ŷ	MF5.13	HCF Using Prime Factorisation: Product of Prime Factors	
Prime	MF5.14	LCM Using Prime Factorisation: Venn Diagrams	
and	MF5.15	LCM Using Prime Factorisation: Product of Prime Factors	
tiples	MF5.16	HCF and LCM with Prime Factorisation	
s, Mul	MH5.17	HCF and LCM of 3 Numbers	H
actors	MH5.18	Solving Problems with HCF and LCM 1	H
ш	MH5.19	Solving Problems with HCF and LCM 2	H
	MH5.20	Solving Problems with HCF and LCM 3: Reverse	H
	MF6.01	Decimal Place Value	
	MF6.02	Adding Decimals 1: Calculations	
	MF6.03	Adding Decimals 2: Worded Problems	
	MF6.04	Subtracting Decimals 1: Calculations	
10	MF6.05	Subtracting Decimals 2: Worded Problems	
cimals	MF6.06	Multiplying Decimals 1	
E D E	MF6.07	Multiplying Decimals 2	
iw ju	MF6.08	Multiplying Decimals: Worded Questions	
Vorki	MF6.09	Dividing Decimals	
	MF6.10	Dividing Decimals by Decimals	
	MF6.11	Dividing by Large Numbers	
	MF6.12	Manipulating Decimal Calculations with Multiplication	
	MF6.13	Manipulating Decimal Calculations with Division	
	MF6.14	Multiplying Decimals with Napier's Bones	

Strand	Code	Nugget Name	Course
	MF7.01	Understanding Percentages	
	MF7.02	Finding 50%	
	MF7.03	Finding 25%	
	MF7.04	Finding 10%	
Ũ	MF7.05	Finding 5%	
ges (N	MF7.06	Finding 1%	
tentaç	MF7.07	Finding Multiples of Tens in Percentages	
o Pero	MF7.15	Percentages of Amounts: Modelling	
tion to	MF7.08	Finding Percentages of Amounts 1	
roduc	MF7.09	Finding Percentages of Amounts 2	
Ē	MF7.10	Finding Percentages of Amounts 3	
	MF7.11	Comparing Percentages 1: Multiples of 5%	
	MF7.12	Comparing Percentages 2	
	MF7.13	Finding Decimal Percentages	
	MF7.14	Estimate with Percentages	
ges	MF8.01	Introduction to Fractions, Decimals and Percentages	
Fractions, Decimals and Percenta	MF8.02	Converting Fractions to Denominator 100	
	MF8.03	Fractions to Percentage	
	MF8.04	Decimals to Percentage	
	MF8.05	Percentage to Decimals	
	MF8.06	Fractions to Decimals 1: Equivalent Fractions	
	MF8.07	Fractions to Decimals 2: Division	

Strand	Code	Nugget Name	Course
ges	MF8.08	Percentage to Fractions	
centa	MF8.09	Decimals to Fractions	
d Per	MF8.10	Fractions to Decimals (Calculator)	
als ar	MF8.11	Fractions to Percentages (Calculator)	
Decim	MF8.12	Percentage to Fractions (Calculator)	
ons, I	MF8.13	Decimals to Fractions (Calculator)	
Fracti	MF8.14	Ordering Fractions, Decimals and Percentages 1: Unit Fractions (Non-Calculator)	
ω.	MF8.15	Ordering Fractions, Decimals and Percentages 2: Non-Unit Fractions (Non-Calculator)	
ecimals ntages	MF8.16	Ordering Fractions, Decimals and Percentages 3: Numbers Less than 1 (Calculator)	
tions, D I Percei	MF8.17	Ordering Fractions, Decimals and Percentages 4: Numbers More than 1 (Calculator)	
Fractanc	MF8.18	Converting Percentage (Less than 1%)	
	MF8.19	Converting Percentage (Greater than 100%)	
	MH51.01	Fractions to Recurring Decimals 1: Special Cases	H
	MH51.02	Fractions to Recurring Decimals 2: Long Division	H
nals.	MH51.03	Fractions to Recurring Decimals 3: Long Division (Numbers > 1)	H
Decir	MH51.04	Recurring Decimals 1: 1–2 Digits	H
urring	MH51.05	Recurring Decimals 2: 2–4 Digits	H
Rec	MH51.06	Recurring Decimals 3: Non-Recurring and Recurring Digits	H
	MH51.07	Recurring Decimals 4: Special Cases	H
	MH51.08	Recurring Decimals 5: Calculations	H

FE – Mathematics GCSE: Foundation & Higher

FE Mathematics Course Mapping

Strand	Code	Nugget Name	Course
	MF9.01	Rounding to the Nearest Whole Number	
unding	MF9.02	Rounding to 1 Decimal Place	
	MF9.03	Rounding to 2 Decimal Places	
	MF9.04	Rounding to Mixed Decimal Places	
ŭ	MF9.05	Rounding to 1 Significant Figure	
	MF9.06	Rounding to 2 Significant Figures	
	MF9.07	Rounding to 3 Significant Figures	
	MF9.08	Rounding to Mixed Significant Figures	
	MF9.09	Mixed Rounding	
	MF9.10	Rounding to Appropriate Degrees of Accuracy	
	MF9.11	Introduction to Estimation	
	MF9.12	Estimation	
	MF9.13	Bounds 1: Introduction	
ding	MF9.14	Bounds 2: Simple Calculation	
Roun	MF9.15	Bounds 3: Intervals	
	MH9.16	Bounds 4: Addition	H
	MH9.17	Bounds 5: Subtraction	H
	MH9.18	Bounds 6: Multiplication	H
	MH9.19	Bounds 7: Division	H
	MH9.20	Bounds 8: Mixed Operations	H
	MH9.21	Bounds 9: Formulae	H

Strand	Code	Nugget Name	Course
D	MH9.22	Bounds 10: Suitable Degrees of Accuracy	H
Roundir	MH9.23	Bounds 11: Discrete Variables	H
	MH9.24	Truncation	H
ġ.	MF10.06	Percentage Increase and Decrease: Modelling	
alcula	MF10.01	Percentage Increase	
Yon-C	MF10.02	Percentage Decrease	
ages 1	MF10.03	Percentage Increase and Decrease	
ercent	MF10.04	Finding Percentages greater than 100	
ď	MF10.05	Simple Interest	
	MF11.01	Finding Percentages 1: Integer Percentages < 100% (Calculator)	
	MF11.02	Finding Percentages 2: > 100% or Non-Integer Percentages (Calculator)	
	MF11.03	Percentage Increase and Decrease (Calculator)	
<u>ب</u>	MF11.04	Percentage Change	
lculato	MF11.05	Repeated Percentage Increase and Decrease (Calculator)	
es Ca	MF11.06	Simple Interest (Calculator)	
entag	MF11.07	Compound Interest (Calculator)	
Perc	MF11.08	Depreciation (Calculator)	
	MF11.09	Compound Interest and Depreciation (Calculator)	
	MF11.10	Simple and Compound Interest (Calculator)	
	MF11.18	Reverse Percentages Introduction: Modelling	
	MF11.19	Reverse Percentages: Modelling	



Strand	Code	Nugget Name	Course
	MF11.11	Reverse Percentage	
ē	MF11.12	Percentage Error	
ges Calculat	MF11.13	Express One Amount as a Percentage of Another	
	MF11.14	Percentage Problems	
centa	MH11.14	Exponential Growth	H
Pel	MH11.15	Exponential Decay	H
	MH11.16	Exponential Growth and Decay	H
	MF12.01	Squares	
	MF12.02	Cubes	
Roots	MF12.03	Squaring and Cubing Negatives	
's and	MF12.04	Powers	
Power	MF12.05	Roots of Squares and Cubes	
	MF12.06	Roots	
	MH12.07	Estimating Powers and Roots	H
	MH52.01	Surds: Introduction	H
	MH52.02	Surds: Multiplication and Division	H
	MH52.03	Surds: Simplifying 1	H
Surds	MH52.04	Surds: Simplifying 2 (Products of Surds)	H
.,	MH52.05	Surds: Simplifying 3 (Dividing Surds)	H
	MH52.06	Surds: Simplifying 4 (Sum and Difference)	H
	MH52.07	Surds: Expanding 1 (Single Bracket)	H

Strand	Code	Nugget Name	Course
	MH52.08	Surds: Expanding 2 (Sum/Difference of Single Brackets)	H
	MH52.09	Surds: Expanding 3 (Double Brackets)	H
	MH52.10	Surds: Expanding 4 (Double Brackets, Surds with Coefficients)	H
	MH52.11	Surds: Expanding 5 (Difference of Two Squares)	H
ltds	MH52.12	Surds: Rationalising 1 (Monomial Denominator)	H
งั	MH52.13	Surds: Rationalising 2 (Binomial Denominator)	H
	MH52.14	Surds: Rationalising 3 (Sum/Difference with Binomial Denominators)	H
	MH52.15	Surds: Rationalising 4 (Sum/Difference with Binomial Denominators)	H
	MH52.16	Surds: Rationalising 5 (Surd within Fraction within Denominator)	H
	MF13.01	Powers of 0 and 1	
	MF13.02	Raising a Fraction to a Power	
	MF13.03	Multiplying Indices	
	MF13.04	Dividing Indices	
	MF13.05	Power of a Power	
ndices	MF13.06	Negative Indices	
-	MF13.07	Combination of Indices	
	MH13.08	Fractional Indices 1: Square and Cube Root	H
	MH13.09	Fractional Indices 2: Non-Unit Fraction	H
	MH13.10	Fractional Indices 3: Negative Unit Fractions	H
	MH13.11	Fractional Indices 4: Negative Non-Unit Fractions	H

FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
	MH13.12	Fractional Indices 5: Fraction Base	H
	MH13.13	Fractional Indices: Calculator	H
	MH13.14	Solving Problems with Indices 1: Combination of Rules	H
	MH13.15	Solving Problems with Indices 2: Combination of Rules	H
	MH13.16	Solving Problems with Indices 3: Working Backwards	H
	MH13.17	Solving Problems with Indices 4: Solving Equations	H
dices	MH13.18	Solving Problems with Indices 5: Including Square/Cube Root Form	H
Ĕ	MH13.19	Solving Problems with Indices 6: Challenge	H
	MH13.20	Solving Problems with Indices 7: Challenge	H
	MH13.21	Exponential Equations 1: Introduction	H
	MH13.22	Exponential Equations 2: Quadratics (Changing One Base)	H
	MH13.23	Exponential Equations 3: Quadratics (Changing Multiple Bases)	H
	MH13.24	Exponential Equations 4: Challenge	H
	MF14.01	The Positive Powers of 10	
	MF14.02	The Negative Powers of 10	
orm	MF14.03	Standard Form to Ordinary	
Standard Fo	MF14.04	Ordinary to Standard Form	
	MF14.05	Fixing into Standard Form	
	MF14.06	Ordering Standard Form	
	MF14.07	Adding and Subtracting with Standard Form	

Strand	Code	Nugget Name	Course
E	MF14.08	Multiplying with Standard Form	
dard Fo	MF14.09	Dividing with Standard Form	
Stano	MF14.10	Standard Form: Worded problems with calculator	
Ratio and	Proportion		
	MF15.01	Introduction to Ratio	
	MF15.02	Simplifying Ratios	
	MF15.03	Converting Ratios into the Form 1:n	
	MF15.04	Converting Ratios into the Form n:1	
	MF15.05	3 Part Ratios	
	MF15.06	Simplifying Ratios with Units	
	MF15.15	Sharing with a Given Ratio: Modelling	
	MF15.16	Ratio Fluency: Modelling	
atio	MH15.07	Sharing with a Given Ratio 1	
<u>.</u>	MF15.08	Sharing with a Given Ratio 2 (Calculator)	
	MF15.09	Sharing with a Given Ratio 3 (Calculator): Working Backwards	
	MF15.10	Sharing with a Given Ratio 4 (Calculator): 3 Part Ratios	
	MF15.11	Converting Ratios into Fractions	
	MF15.12	Converting Fractions into Ratios	
	MF15.13	Part of a Ratio to the Whole	
	MF15.14	Ratio and Algebra	
	MF15.17	Ratio: Problem Solving	

FE – Mathematics GCSE: Foundation & Higher

FE Mathematics Course Mapping

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Strand	Code	Nugget Name	Course
	MF15.18	Ratio: Two Ratios	
	MF15.19	Ratio: Angles	
Ratio	MF15.20	Ratio: Applied	
	MH15.21	Ratio: Applied (Advanced)	H
	MH15.22	Ratio: Changing Ratios	H
	MF16.01	Introduction to Proportion	
rtion	MF16.02	Recipe Ratio 1: Find Amount of Ingredients	
Propo	MF16.03	Recipe Ratio 2: Find the Number of People	
and	MF16.04	Better Value	
Ratio	MF16.05	Direct Proportion 1: Conversions	
	MF16.06	Direct Proportion 2: y = kx	
	MF16.07	Inverse Proportion 1: Introduction	
	MF16.08	Inverse Proportion 2: y = k/x	
	MF16.09	Proportions on a Graph	
_	MF16.10	Ratio and Rate Problems 1: Testing for Equivalence	
ortion	MH16.10	Direct Proportion 3: $y = kx^a$ and $y = k\sqrt{x}$	H
Prop	MH16.11	Inverse Proportion 3: $y = k/x^a$ and $y = k/\sqrt{x}$	H
atio and	MH16.12	Interpreting Direct and Inverse Proportion 1: y = kx and y = k/x^a	$oldsymbol{ heta}$
Ľ	MH16.13	Interpreting Direct and Inverse Proportion 2: Problem Solving	H
	MH16.14	Proportions on a Graph 2: Linear, Quadratic, Cubic and Root	H
	MH16.15	Two Step Direct and Inverse Proportion	H

Strand	Code	Nugget Name	Course
Ratio and	Proportion		
	MF17.01	Forming Algebraic Expressions: One Step	
	MF17.02	Forming Algebraic Expressions: Two Step	
	MF17.03	Algebraic Terminology	
	MF17.04	Collecting Like Terms 1: Add and Subtract	
	MF17.05	Collecting Like Terms 2: Add and Subtract (Including Squared/Cubed Variables)	
	MF17.06	Collecting Like Terms 3: In Context (Perimeter)	
	MF17.07	Simplifying Expressions 1: Multiplication	
jebra	MF17.08	Simplifying Expressions 2: Multiplication (In Context)	
n to Alç	MF17.09	Simplifying Expressions 3: Division	
duction	MF17.10	Simplifying Expressions 4: Division	
Intro	MF17.11	Simplifying Expressions 5: Multiplication and Division	
	MH17.17	Simplifying Expressions 6: Index Laws	H
	MH17.18	Simplifying Expressions 7: Index Laws	H
	MF17.12	Function Machines	
	MF17.13	Substitution into Expressions 1: One Term	
	MF17.14	Substitution into Expressions 2: Two Terms	
	MF17.15	Substitution into Expressions 3: Two Terms incl. Squares	
	MF17.16	Substitution into Expressions 4: Calculator	

FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
	MF18.25	Expanding Single Brackets: Introduction	
	MF18.01	Expanding Single Brackets 1: $a(x \pm b)$	
	MF18.02	Expanding Single Brackets 2: $\pm a(x \pm b)$	
	MF18.03	Expanding Single Brackets 3: $\pm a(\pm bx \pm cy)$	
	MF18.04	Expanding Single Brackets 4: $\pm x(\pm y \pm a)$	
	MF18.05	Expanding Single Brackets 5: Mixed	
	MF18.06	Expanding and Simplifying	
	MF18.07	Factorising into a Single Bracket 1: x \pm a or a \pm x	
6 u	MF18.08	Factorising into a Single Bracket 2: ax $\pm\text{bx}$	
ctorisi	MF18.09	Factorising into a Single Bracket 3: axy(bx $^2 \pm cx \pm d$)	
nd Fac	MF18.10	Expanding Double Brackets 1: (x \pm a)(x \pm b)	
ling at	MF18.11	Expanding Double Brackets 2: (ax \pm b)(cx \pm d)	
xpand	MF18.12	Expanding Double Brackets 3: $(x \pm a)^2$	
Û	MF18.13	Expanding Double Brackets 4: a(bx \pm c)(dx \pm e)	
	MF18.14	Expanding Double Brackets 5: $a(bx \pm c)^2$	
	MH18.18	Expanding Double Brackets 6: (ax \pm b)(cy \pm d)	H
	MH18.19	Expanding More Brackets	H
	MF18.15	Factorising Quadratics 1: (x + a)(x + b)	
	MF18.16	Factorising Quadratics 2: (x \pm a)(x \pm b)	
	MH18.20	Factorising Quadratics 3: (ax \pm b)(x \pm c)	H
	MH18.21	Factorising Quadratics 4: (ax \pm b)(x \pm c)	H
	MH18.22	Factorising Quadratics 5: (ax \pm b)(x \pm c)	H

Strand	Code	Nugget Name	Course
and ng	MH18.23	Factorising Quadratics 6: (ax \pm b)(cx \pm d)	H
Expanding Factorisi	MH18.24	Factorising Quadratics 7: (ax \pm b)(cx \pm d)	H
	MF18.17	The Difference of Two Squares	
	MF19.30	Solving Equations: One Step Modelling (+ –)	
	MF19.01	Solving Equations: One Step (+ –)	
	MF19.31	Solving Equations: One Step Modelling (× \div)	
	MF19.02	Solving Equations: One Step (×)	
	MF19.03	Solving Equations: One Step (÷)	
	MF19.04	Solving Equations: One Step (+ – × \div)	
tions	MF19.32	Solving Equations: Two Steps Modelling (×)	
r Equa	MF19.33	Solving Equations: Two Steps Modelling (÷)	
J Linea	MF19.05	Solving Equations: Two Steps Modelling (x \div)	
solving	MF19.06	Solving Equations: Two Steps ax + b = c	
	MF19.07	Solving Equations: Two Steps ax – b = c	
	MF19.08	Solving Equations: Two Steps (x/a) \pm b = c	
	MF19.09	Solving Equations: Two Steps (x \pm a)/b = c	
	MF19.10	Solving Equations: Two Steps (Unknown as Denominator)	
	MF19.11	Solving Equations: Two Steps (Negative Unknown)	
	MF19.12	Solving Equations: Two Steps (Mixed Exercise)	

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Strand	Code	Nugget Name	Course
	MF19.13	Solving Equations: Three Steps (Unknown on One Side)	
	MF19.14	Solving Equations: Three Steps (Including Brackets)	
	MF19.15	Solving Equations: Three Steps (Unknown on Both Sides)	
	MF19.16	Solving Equations: Four Steps (Including Expanding)	
	MF19.17	Solving Equations: Four Steps (Including Fractions)	
	MF19.18	Generating Equations from Words	
ations	MF19.19	Generating Equations from Diagrams	
r Equ	MF19.20	Simultaneous Equations: Introduction	
Linea	MF19.21	Simultaneous Equations 1	
lving	MF19.22	Simultaneous Equations 2: Scale One Equation	
S	MF19.23	Simultaneous Equations 3: Scale Both Equations	
	MF19.24	Simultaneous Equations 4: Rearranging	
	MF19.25	Simultaneous Equations: Substitution	
	MH19.27	Iteration 1: Find Solution Between	H
	MH19.28	Iteration 2: Rearrange Iterative Formula	H
	MH19.29	Iteration 3: Recursive Iteration	H
	MF19.26	Simultaneous Equations: Worded Questions	
U	MF20.01	Solving Quadratics 1: $x^2 + b = 0$	
adrati	MF20.02	Solving Quadratics 2: $ax^2 + bx = 0$	
g Qua Iuatio	MF20.03	Solving Quadratics 3: $x^2 + bx + c = 0$	
Solving Eq.	MF20.04	Solving Quadratics 4: $x^2 + bx + c = 0$ (incl. Rearranging)	
	MH20.05	The Discriminant	H

MH20.06 Quadratic Formula 1: Identify A, B and C MH20.07 Quadratic Formula 2: Applying the Form	H) ula
MH20.07 Quadratic Formula 2: Applying the Form	ula 🕒
O	
MH20.08 Quadratic Formula 3: Applying the Form	ula (🗎
MH20.09 Quadratic Formula 4: Give Answer in Fo	rm (p ± √q)/r (
MH20.10 Quadratic Formula 5: In Context	θ
MH20.11 Solving Quadratics 5: ax ² + bx + c = 0 (a i	s Prime) (H
MH20.12 Solving Quadratics 6: $ax^2 + bx + c = 0$ (a i	s Not Prime) (H
MH20.13 Solving Quadratics 7: Challenge	θ
MH20.14 Quadratic Simultaneous Equations	θ
MH53.01 Completing the Square 1: $(x + q)^2 + r$	θ
MH53.02 Completing the Square 2: $(x + q/2)^2 + r$	θ
$\begin{array}{c} \begin{array}{c} \\ \\ \\ \end{array} \end{array}$ MH53.03 Completing the Square 3: p(x + q) ² + r	θ
MH53.04 Completing the Square 4: $-p(x + q/2)^2 +$	r (H)
MH53.05 Completing the Square to Solve Equatio	ns 1: x^2 + bx + c (H)
$ \begin{array}{c} \overleftarrow{b} \\ \underbrace{b} \\ \underbrace{c} \\ \underbrace$	ns 2:
MH53.07 Completing the Square to Solve Equatio	ns 3: $ax^2 + bx + c$ (H)
MH53.08 Completing the Square to Solve Equatio Mixed Exercise	ns 4: 🕒
MH53.09 Completing the Square: Turning Points	H
MH54.01 Algebraic Fractions 1: Simplify (Monomia	l Factors)
Algebraic Fractions 2: Simplify (Monomial Factors incl. Negatives)	H
MH54.03 Algebraic Fractions 3: Simplify (Binomial	Factors)



Strand	Code	Nugget Name	Course
	MH54.04	Algebraic Fractions 4: Simplify (Binomial Factors)	H
	MH54.05	Algebraic Fractions 5: Add and Subtract (Constant as Denominator)	H
	MH54.06	Algebraic Fractions 6: Add and Subtract (Monomial as Denominator)	H
aic ons	MH54.07	Algebraic Fractions 7: Add and Subtract (Binomial as Denominator)	H
Vigebr Fractic	MH54.08	Algebraic Fractions 8: Multiply	H
4 11	MH54.09	Algebraic Fractions 9: Multiply	H
	MH54.10	Algebraic Fractions 10: Factorise then Multiply	H
	MH54.11	Algebraic Fractions 11: Divide	θ
	MH54.12	Algebraic Fractions 12: Solve	H
	MH54.13	Algebraic Fractions 13: Problem Solving	H
	MF21.01	Generating Formulae	
	MF21.02	Substituting into a Formula	
	MF21.03	Using Kinematics	
	MF21.04	Recalling and Using Formulae 1	
e	MH21.11	Recalling and Using Formulae 2	H
ormuli	MF21.05	Rearranging Formulae: One Step	
<u>е</u>	MF21.06	Rearranging Formulae: Two Step	
	MF21.07	Rearranging Formulae: Negative Subject	
	MF21.08	Rearranging Formulae: Unknown in Denominator	
	MF21.09	Rearranging Formulae: With Powers	
	MF21.10	Rearranging Formulae: Unknown on Both Sides	

Strand	Code	Nugget Name	Course
c Proof	MH55.01	Introduction to Algebraic Proof	H
	MH55.02	Algebraic Proof 1: Complete the Proof	H
gebra	MH55.03	Algebraic Proof 2	H
Ā	MH55.04	Algebraic Proof: Disproving by Example	H
	MH56.01	Functions: Key Concept	H
	MH56.02	Functions: Substitution 1 (Linear Functions)	H
	MH56.03	Functions: Substitution 2 (Quadratic Functions)	H
suo	MH56.04	Functions: Substitution 3 (Challenge)	H
uncti	MH56.05	Functions: Solving	H
	MH56.06	Functions: Algebraic	H
	MH56.07	Composite Functions: Substitution 1 (2 Linear Functions)	H
	MH56.08	Composite Functions: Substitution 2 (2 Non-Linear Functions)	H
	MH56.09	Composite Functions: Substitution 3 (3 Functions)	H
	MH56.10	Composite Functions: Substitution 4 (Quadratic Functions)	H
	MH56.11	Composite Functions: Solving	H
suo	MH56.12	Composite Functions: Algebraic	H
- Euncti	MH56.13	Inverse Functions 1: Linear	H
	MH56.14	Inverse Functions 2: Non-Linear	H
	MH56.15	Inverse Functions: Substitution	H
	MH56.16	Inverse Functions: Solving	H
	MH56.17	Composite and Inverse Functions	H

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Strand	Code	Nugget Name	Course
	MF22.01	Continuing Sequences	
	MF22.02	Linear Sequences: Finding the Term-to-Term Rule	
	MF22.03	Linear Sequences: Using the Term-to-Term Rule	
	MF22.04	Linear Sequences with Diagrams 1: Term-to-Term Rule	
	MF22.05	Linear Sequences: Using the nth Term 1 (Substitute)	
ences	MF22.06	Linear Sequences: Using the nth Term 2 (Solve)	
Seque	MF22.07	Linear Sequences: Finding the nth Term 1 (Increasing)	
	MF22.08	Linear Sequences: Finding the nth Term 2 (Decreasing)	
	MF22.09	Linear Sequences with Diagrams 2: nth Term	
	MF22.10	Important Sequences: Squares, Cubes and Triangular Numbers	
	MF22.11	Important Sequences: Geometric	
	MF22.12	Important Sequences: Fibonacci	
	MF22.13	Quadratic Sequences: Using the nth Term	
	MH22.14	Subscript Notation	H
S	MH22.15	Unusual Sequences	H
dneno	MH22.16	Quadratic Sequences 1: n ² + c	H
Se	MH22.17	Quadratic Sequences 2: an ² + c	H
	MH22.18	Quadratic Sequences 3: an ² + bn + c	H
	MH22.19	Quadratic Sequences 4: $an^2 + bn + c$ and $(an + b)^2$	H
s	MF23.01	Understanding Coordinates: 1st Quadrant	
Straight L Graphs	MF23.02	Understanding Coordinates: 4 Quadrants	
	MF23.26	Coordinates and 2D Shapes	

Strand	Code	Nugget Name	Course
	MF23.03	Midpoint of a Line Segment	
	MH23.20	Coordinates and Ratios	H
	MF23.04	Horizontal and Vertical Graphs	
	MF23.05	Other Important Linear Graphs	
	MF23.06	Plotting Straight Line Graphs: 1st Quadrant	
	MF23.07	Plotting Straight Line Graphs: 4 Quadrants	
	MF23.08	Finding the Gradient of a Line Segment: Using the Graph	
	MF23.09	Finding the Gradient of a Line Segment: Using the Formula	
ş	MF23.10	Understanding y = mx + c	
Grap	MF23.11	Graphing y = mx + c (1)	
rt Line	MF23.12	Graphing y = mx + c (2)	
Straigh	MF23.13	Finding y = mx + c from a Gradient and a Point	
	MF23.14	Finding y = mx + c from Two Points	
	MF23.15	Rearranging y = mx + c	
	MF23.16	Finding Parallel Lines	
	MH23.21	Finding Perpendicular Lines 1: Gradient	H
-	MH23.22	Finding Perpendicular Lines 2: Equation	H
	MH23.23	Finding Perpendicular Lines 3: Problem Solving	H
	MH23.24	Equation of a Tangent 1: Circle Given	H
	MH23.25	Equation of a Tangent 2: Mixed Exercise	H
	MF23.17	Solving Using Straight Line Graphs	



Strand	Code	Nugget Name	Course
Straight Line Graphs	MF23.18	Solving Simultaneous Equations Using Straight Line Graphs 1: Graphs Given	
	MF23.19	Solving Simultaneous Equations Using Straight Line Graphs 2: Graphs Not Given	
	MF24.01	Plotting Simple Quadratic Graphs 1: $y = ax^2 + c$	
	MF24.02	Plotting Simple Quadratic Graphs 2: $y = ax^2 + bx + c$	
	MF24.03	Quadratic Graphs: Finding the y-intercept	
aphs	MF24.04	Quadratic Graphs: Finding the Line of Symmetry	
er Gr	MF24.05	Quadratic Graphs: Finding the Turning Point	
d o d o d	MF24.06	Quadratic Graphs: Finding the Roots	
dratic an	MH24.13	Quadratic Graphs: Turning Point from Completing Square 1: $y = (x + q)^2 + r$ Given	H
Qua	MH24.14	Quadratic Graphs: Turning Point from Completing Square 2: $y = (x + q)^2 + r$ Not Given	H
	MH24.15	Quadratic Graphs: Turning Point from Completing Square 3: $y = \pm p(x + q)^2 + r$ Not Given	H
	MH24.16	Estimating Gradients	H
	MH24.17	Exponential Functions	H
sh	MH24.18	Trigonometric Functions: Sin Graph	H
r Grap	MH24.19	Trigonometric Functions: Cos Graph	H
Idratic and Other	MH24.20	Trigonometric Functions: Tan Graph	H
	MH24.37	Trigonometric Functions: Mixed	H
	MH24.22	Equations of Circles	H
Ou	MF24.07	Plotting Other Polynomial Graphs	
	MF24.08	Plotting Reciprocal Graphs	

Strand	Code	Nugget Name	Course
	MH24.23	Plotting Exponential Graphs	H
	MF24.09	Recognising Key Graphs	
	MF24.10	Approximate Solutions Using a Graph	
	MH24.24	Transforming Graphs: Translating Vertical	H
	MH24.25	Transforming Graphs: Translating Horizontal	H
	MH24.26	Transforming Graphs: Reflections	H
	MH24.27	Transforming Graphs: Stretching y-direction	H
iraphs	MH24.28	Transforming Graphs: Stretching x-direction	H
ther G	MH24.29	Transforming Graphs: Mixed Translations	H
0 Pu	MH24.30	Transforming Graphs: Mixed Stretches	H
ratic a	MH24.31	Transforming Graphs: Mixed	H
Quad	MH24.21	Transforming Graphs: Mixed (Trig Functions)	H
	MH24.32	Transforming Graphs: Combined 1	H
	MH24.33	Transforming Graphs: Combined 2	H
	MH24.34	Areas under Graphs	H
	MF24.11	Real Life Graphs: Plotting	
	MF24.12	Real Life Graphs: Interpreting	
	MH24.35	Quadratic Simultaneous Equations Graphically	H
	MH24.36	Polynomial Simultaneous Equations Graphically	
ties	MF25.01	Representing Inequalities on a Number Line	
equalit	MF25.02	Representing Two Sided Inequalities on a Number Line	
lne	MF25.03	Interpreting Inequalities from a Number Line	

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Strand	Code	Nugget Name	Course
	MF25.04	Interpreting Two Sided Inequalities from a Number Line	
	MH25.13	Solving Quadratic Inequalities Graphically	
	MF25.05	Finding Integer Solutions to Inequalities	
	MF25.06	Solving Inequalities: One Step	
	MF25.07	Solving Inequalities: Negative Variable	
	MF25.08	Solving Inequalities: Two Step	
	MF25.09	Solving Inequalities: One Step and Two Sided	
	MF25.10	Solving Inequalities: Multi Step and Two Sided	
alities	MF25.11	Solving Inequalities: Finding Integer Solutions with Two Sides	
Inequa	MF25.12	Solving Inequalities: Expressing Solutions on a Number Line	
	MH25.14	Solving Inequalities: Quadratics 1	
	MH25.15	Solving Inequalities: Quadratics 2 (Rearranging)	
	MH25.16	Solving Inequalities: Quadratics 3 (Factorising)	
	MH25.17	Solving Multiple Linear Inequalities	
	MH25.18	Regions 1: One Vertical/Horizontal Line	
	MH25.19	Regions 2: One Line of Form y = mx + c	
	MH25.20	Regions 3: Multiple Vertical/Horizontal Lines	
	MH25.21	Regions 4: Multiple Lines of Form y = mx + c	
Geometry	/		
uction metry	MF26.01	Key Terms in 2D Geometry	
Introd(to Geo	MF26.02	Key Terms in 3D Geometry	

Strand	Code	Nugget Name	Course
	MF26.03	Types of Angles 1: Diagrams	
	MF26.04	Types of Angles 2: Numbers	
	MF26.05	Parallel and Perpendicular Lines	
	MF26.06	Naming 2D Shapes	
2	MF26.07	Types of Triangles 1: Diagrams	
omet	MF26.08	Types of Triangles 2: Words	
e S	MF26.09	Types of Quadrilateral	
ction	MF26.10	Naming 3D Shapes	
itrodu	MF26.11	Measuring Angles 1: Angles < 180° (horizontal)	
<u> </u>	MF26.12	Measuring Angles 2: Angles < 180°	
	MF26.13	Measuring Angles 3: Angles > 180°	
	MF26.14	Estimating Angles	
	MF26.15	Drawing Angles	
	MF26.16	Using a Ruler	
	MF27.01	Straight Line Angles 1: Multiples of 5°	
	MF27.02	Straight Line Angles 2	
	MF27.03	Straight Line Angles with Algebra	
Angles	MF27.04	Angles Around a Point 1: Multiples of 5°	
	MF27.05	Angles Around a Point 2	
	MF27.06	Angles Around a Point with Algebra	
	MF27.07	Vertically Opposite Angles	
	MF27.08	Alternate Angles	
	MF27.09	Corresponding Angles	

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Strand	Code	Nugget Name	Course
	MF27.10	Co-interior Angles	
ngles	MF27.11	Angles in Parallel Lines 1	
	MF27.12	Angles in Parallel Lines 2	
	MF28.01	Angles in a Triangle 1	
	MF28.02	Angles in a Triangle 2: Isosceles Triangles	
	MF28.03	Angles in a Triangle 3: Including Angles on a Straight Line	
ត	MF28.04	Angles in a Triangle 4: Including Angles in Parallel Lines	
olygon	MF28.05	Angles in Quadrilaterals	
s in Pc	MF28.06	Introduction to Angles in Polygons	
Angle	MF28.07	Interior Angles 1: Sum of Interior Angles	
	MF28.08	Interior Angles 2: Angles in Regular Shapes	
	MF28.09	Interior Angles in Irregular Shapes	
	MF28.10	Exterior Angles	
	MF28.11	Using Multiple Rules with Angles in Polygons	
	MF29.01	Rotational Symmetry	
	MF29.02	Reflective Symmetry	
es	MF29.03	Quadrilateral Facts	
) Shap	MF29.04	Polygon Facts	
20	MF29.05	Naming the Parts of a Circle	
	MF29.06	Congruence	
-	MF29.07	Congruent Triangles	

Strand	Code	Nugget Name	Course
	MF30.01	Perimeter by Counting	
	MF30.02	Perimeter of Regular Shapes 1: Calculate Perimeter	
	MF30.03	Perimeter of Regular Shapes 2: Calculate Side Length	
Perin	MF30.04	Perimeter of Composite Shapes 1	
	MF30.05	Perimeter of Composite Shapes 2: Worded Context	
	MF30.06	Perimeter and Algebra	
	MF31.01	Area by Counting Squares	
	MF31.02	Estimating Area	
	MF31.03	Area of Squares, Rectangles and Parallelograms	
	MF31.04	Area of Right Angled Triangles	
Area	MF31.05	Area of Triangles	
	MF31.06	Area of Composite Shapes 1: Adding	
	MF31.07	Area of Trapeziums	
	MF31.08	Area of Composite Shapes 2: Subtracting	
	MF31.09	Area and Algebra	
	MF32.01	Circumference: From Radius	
- Circles	MF32.02	Circumference: From Diameter	
	MF32.03	Circumference	
	MF32.04	Using the Circumference to find the Radius or Diameter	
	MF32.05	Perimeter of Part Circles	
	MF32.06	Perimeter of Composite Shapes with Part Circles	
	MF32.07	Area of a Circle: From Radius	

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Strand	Code	Nugget Name	Course
	MF32.08	Area of a Circle: From Diameter	
	MF32.09	Area of a Circle	
	MF32.10	Using the Area of a Circle to find the Radius or Diameter	
	MF32.11	Areas of Part Circles	
	MF32.12	Areas of Composite Shapes with Part Circles	
es	MF32.13	Arc Length 1: Fractions	
Circ	MF32.14	Arc Length 2: Degrees	
	MH32.17	Arc Length 3: Reverse	H
	MF32.15	Area of a Sector 1	
	MH32.18	Area of a Sector 2: Reverse	H
	MF32.16	Area and Perimeter of Composite Shapes with Sectors 1	
	MH32.19	Area and Perimeter of Composite Shapes with Sectors 2: Problem Solving	H
	MF33.01	Planes of Symmetry	
apes	MF33.02	Nets of Cubes	
3D St	MF33.03	Plans and Elevations with Cuboids	
	MF33.04	Plans and Elevations	
	MF34.01	Counting Cubes	
a	MF34.02	Volume of Cubes and Cuboids	
	MF34.03	Volume of Cubes and Cuboids with Missing Side(s)	
Volt	MF34.04	Volume of Prisms 1: Given Area	
	MF34.05	Volume of Prisms 2: Triangular Prisms	
	MF34.06	Volume of Prisms 3: Mixed Exercise	

Strand	Code	Nugget Name	Course
	MF34.07	Volume of Cylinders	
	MF34.08	Volume of Cylinders with a Missing Value	
	MF34.09	Volume of Part Cylinders	
	MF34.10	Volume of a Sphere	
	MF34.11	Volume of a Sphere with the Radius Missing	
am	MF34.12	Volume of a Cone	
Nol	MF34.13	Volume of a Cone with the Radius Missing	
	MF34.14	Volume of a Hemisphere	
	MF34.15	Volume of Pyramids	
	MF34.16	Volume of Composite Solids	
	MH34.17	Problem Solving with Volume	H
	MH34.18	Volume of Frustums	H
	MF35.01	Surface Area of Cuboids	
	MF35.02	Surface Area of Prisms	
	MF35.03	Surface Area of Cylinders	
Irea	MF35.04	Surface Area of Part Cylinders	
Surface A	MF35.05	Surface Area of Spheres	
	MF35.06	Surface Area of Cones	
	MF35.07	Surface Area of Pyramids	
	MF35.08	Surface Area of Composite Solids	
	MH35.09	Problem Solving with Surface Area	H



Strand	Code	Nugget Name	Course
Measure			
	MF36.01	Reading Scales	
	MF36.02	Metric Units	
	MF36.03	Estimating with Metric Units	
	MF36.04	Converting Metric Length (One Step)	
	MF36.05	Converting Metric Length (Multi-Step)	
	MF36.06	Converting Metric Length: Worded Questions	
	MF36.07	Converting Metric Mass (One Step)	
	MF36.08	Converting Metric Mass (Multi-Step)	
	MF36.09	Converting Metric Mass: Worded Questions	
sure	MF36.10	Converting Metric Capacity	
Mea	MF36.11	Converting Metric Volume 1	
	MF36.12	Converting Metric Volume 2	
	MF36.13	Converting Area 2: Unit Conversions	
	MF36.14	Converting Area 1: Area Model	
	MF36.15	Converting Volume	
	MF36.16	Metric and Imperial Length (No Calculator)	
	MF36.17	Metric and Imperial Length (Calculator)	
	MF36.18	Metric and Imperial Mass and Volume (No Calculator)	
	MF36.19	Metric and Imperial Mass and Volume (Calculator)	
	MF36.20	Conversion Graphs: Drawing	

Strand	Code	Nugget Name	Course
Measure	MF36.21	Conversion Graphs: Interpreting	
	MF36.22	Conversion Graphs: Units of Measure	
	MF37.01	Reading a 12-Hour Clock 1: O'Clock and Half Past	
	MF37.02	Reading a 12-Hour Clock 2: Multiples of 5	
	MF37.03	Reading a 12-Hour Clock 3: Mixed	
	MF37.04	Converting Time: AM and PM	
ey	MF37.05	Converting Time: Seconds, Minutes and Hours	
Mon	MF37.06	Converting Time: Days, Weeks and Years	
ne and	MF37.07	Calendar Months	
Ē	MF37.08	Converting Time: Mixed Units	
	MF37.09	Problems with Time	
	MF37.10	Converting Currency 1	
	MF37.11	Converting Currency 2: Double Conversions	
	MF37.12	Converting Currency: Mixed Problems	
	MF38.01	Finding Speed (SDT)	
۵	MF38.02	Finding Speed with Conversions (SDT)	
Compound Measure	MF38.03	Finding Distance (SDT)	
	MF38.04	Finding Distance with Conversions (SDT)	
	MF38.05	Finding Time (SDT)	
	MF38.06	Finding Time with Conversions (SDT)	
	MF38.07	Speed, Distance and Time: Mixed Questions	

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Strand	Code	Nugget Name	Course
-	MF38.08	Converting Units with Speed, Distance and Time	
	MF38.09	Understanding and converting units (DMV)	
	MF38.10	Finding Density (DMV)	
	MF38.11	Finding Density with Conversions (DMV)	
	MF38.12	Finding Mass (DMV)	
	MF38.13	Finding Mass with Conversions (DMV)	
	MF38.14	Finding Volume (DMV)	
sure	MF38.15	Finding Volume with Conversions (DMV)	
d Mea	MF38.16	Density, Mass and Volume: Mixed Questions	
unod	MF38.17	Converting Units with Density, Mass and Volume	
Com	MF38.18	Force, Pressure and Area	
	MF38.19	Distance-Time Graphs: Drawing	
	MF38.20	Distance-Time Graphs: Interpreting	
	MF38.21	Distance-Time Graphs: Speed	
	MH38.22	Velocity-Time Graph: Interpreting	H
	MH38.23	Velocity-Time Graph: Distance	H
	MH38.24	Velocity-Time Graph: Acceleration	H
	MH38.25	Velocity-Time Graph: Problem Solving	H
rings ngs	MF39.01	Using Scales with Units	
Scale Drawi and Bearin	MF39.02	Finding Scales with Units	
	MF39.03	Using Scales without Units	

Strand	Code	Nugget Name	Course
ngs and Bearings	MF39.04	Finding Scales without Units	
	MF39.05	Using Scales on a Map	
	MF39.10	Creating Scale Diagrams	
	MF39.06	Introduction to Bearings	
Drawi	MF39.07	Bearings from North	
Scale	MF39.08	Finding Bearings 1	
	MF39.09	Finding Bearings 2: Using Co-interior Angles	
	MF40.01	Introduction to Reflection	
	MF40.02	Finding the Line of Reflection	
	MF40.03	Coordinates in Reflection	
	MF40.04	Translating a Point	
	MF40.05	Translating a Shape	
	MF40.06	Describing Translations	
ations	MF40.07	Enlarging Shapes	
forme	MF40.08	Enlargements with 0 <sf<1< td=""><td></td></sf<1<>	
Trans	MF40.09	Enlargement with Centre (0,0)	
	MF40.10	Enlargement with Centre (x,y)	
-	MF40.11	Enlargement with Fractional Scale Factor (0,0)	
	MF40.12	Enlargement with Fractional Scale Factor (x,y)	
	MH40.20	Enlargement with Negative Scale Factor	H
	MH40.21	Enlargement with Negative Fractional Scale Factor	H
	MH40.22	Enlargement with Mixed Scale Factor	H

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FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
	MF40.13	Describing Enlargements with an Integer Scale Factor	
	MF40.14	Describing Enlargements with a Non-Integer Scale Factor	
	MH40.23	Describing Enlargements with Mixed Scale Factor	H
tions	MF40.15	Rotation with Centre (0,0)	
iforma	MF40.16	Rotation with Centre (x,y)	
Trans	MF40.17	Describing Rotation	
	MF40.18	Describing Transformations	
	MF40.19	Combination of Transformations 1	
	MH40.24	Combination of Transformations 2	H
	MH57.01	Angle in a Semicircle and Angle at Tangent	θ
	MH57.02	Properties of Diameter and Radii	H
	MH57.03	Tangents from an External Point	H
	MH57.04	Angles at the Centre	H
ş	MH57.05	Angles on the Same Arc	H
leoren	MH57.06	Angles at the Centre and on the Same Arc	H
Circle Th	MH57.07	Cyclic Quadrilaterals	H
	MH57.08	Alternate Segment Theorem	H
	MH57.09	Mixed Circle Theorems 1: Practice	H
	MH57.10	Mixed Circle Theorems 2: Algebra	H
	MH57.11	Mixed Circle Theorems 3: Two Theorems	H
	MH57.12	Mixed Circle Theorems 4: Challenge	H

Strand	Code	Nugget Name	Course
	MF41.01	Column Vectors	
	MF41.02	Column Vectors: Scalar Multiplication	
	MF41.03	Column Vectors: Addition and Subtraction	
	MF41.04	Column Vectors: Drawing	
	MF41.05	Geometric Vectors 1: One Term	
<u>ر</u> ه	MF41.06	Geometric Vectors 2: Two Terms	
/ecto	MH41.07	Geometric Vectors 3: Within Shapes	θ
- · ·	MH41.08	Geometric Vectors 4: Expand and Simplify	θ
	MH41.09	Geometric Vectors 5: Midpoints	θ
	MH41.10	Geometric Vectors 6: Ratios	θ
	MH41.11	Geometric Vectors 7: Fractions and Ratios	θ
	MH41.12	Geometric Vectors 8: Parallel Vectors	H
	MH41.13	Geometric Vectors 9: Proof	θ
	MF42.01	Constructing Circles	
	MF42.02	Constructing an Equilateral Triangle	
	MI42.10	Constructing Triangles	
d Loc	MF42.03	Perpendicular Bisector	
on an	MF42.04	Angle Bisector	
Constructi	MF42.05	Perpendicular from a Point to a Line	
	MF42.06	Constructing Angles (30°, 45°, 60°, 90°)	
	MF42.07	Understanding Loci	
	MF42.08	Loci 1: Single Constructions	
	MF42.09	Loci 2: Multi-Step Problems	

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FE – Mathematics GCSE: Foundation & Higher

FE Mathematics Course Mapping

Strand	Code	Nugget Name	Course
	MF43.01	Introduction to Similarity	
	MF43.02	Similar Polygons: Finding the Scale Factor	
	MF43.03	Similar Polygons: Missing Sides given Scale Factor	
	MF43.04	Similar Polygons: Missing Sides	
larity	MF43.05	Similar Triangles 1: Same Orientation	
Simi	MF43.06	Similar Triangles 2: Different Orientations	
	MH43.07	Similar Area 1	H
	MH43.08	Similar Area 2: Including Ratio	H
	MH43.09	Similar Volume	H
	MH43.10	Similar Area and Volume	H
	MF44.01	Pythagoras' Theorem	
	MF44.02	Pythagoras: Finding the Hypotenuse	
ras	MF44.03	Pythagoras: Finding a Short Side	
thago	MF44.04	Pythagoras: Mixed Sides	
Ā	MF44.05	Pythagoras: Using Coordinates	
	MF44.06	Pythagoras: Worded Questions	
	MF44.07	Pythagoras: Applied Questions	
	MF45.01	Introduction to SOHCAHTOA	
lled etry	MF45.02	Trigonometry: Using a Calculator	
ht-Anç onom	MF45.03	Trigonometry: Missing Side 1 (Variable is Numerator)	
Righ Trige	MF45.04	Trigonometry: Missing Side 2 (Variable is Denominator)	
	MF45.05	Trigonometry: Missing Angle	

Strand	Code	Nugget Name	Course
nt-Angled onometry	MF45.06	Trigonometry: Worded Questions	
	MF45.07	Exact Trigonometric Values	
Rig	MF45.08	Trigonometry and Pythagoras	
	MH58.01	Area using 1/2(ab)sin(C): Proof	H
	MH58.02	1/2(ab)sin(C): Finding the area	H
	MH58.03	1/2(ab)sin(C): Area with Missing Value	H
	MH58.04	1/2(ab)sin(C): Applied	H
	MH58.05	Sine Rule: Proof	H
	MH58.06	Sine Rule: Sides	H
	MH58.07	Sine Rule: Angles	H
metry	MH58.08	Sine Rule: Applied	H
rigond	MH58.09	Cosine Rule: Proof	H
Iced T	MH58.10	Cosine Rule: Finding a	H
Advar	MH58.11	Cosine Rule: Finding A	H
	MH58.12	Cosine Rule: Applied	H
	MH58.13	Choosing the Correct Trigonometric Rule	H
-	MH58.14	Mixed Trigonometry 1	H
	MH58.15	Mixed Trigonometry 2: Multi-Step Problems	H
	MH58.16	Mixed Trigonometry 3: Multi-Step Problems	H
	MH58.17	Mixed Trigonometry 4: Non-Calculator	H
	MH58.18	Mixed Trigonometry 5: Bearings	H

FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
netry	MH59.01	3D Pythagoras 1: Cuboids	H
	MH59.02	3D Pythagoras 2: Pyramids and Cylinders	H
lonog	MH59.03	3D SOH CAH TOA	H
3D Tri	MH59.04	3D Trigonometry	H
	MH59.05	3D Trigonometry: Problem Solving	H
Probabili	ty		
	MF46.01	Probability Scale in Words	
	MF46.02	Probability Scale in Numbers	
	MF46.03	Calculating Probability	
	MF46.04	Mutually Exclusive Events	
	MF46.05	Two Way Tables: Probability	
	MF46.06	Listing Outcomes	
	MH46.18	Product Rule for Counting	
bility	MF46.07	Sample Spaces	
Probe	MF46.08	Relative Frequency	
	MF46.09	Expected Frequency	
	MF46.10	Frequency Trees	
	MF46.11	Interpreting Frequency Trees	
	MF46.12	Multiplication Law of Probability (AND)	
	MF46.13	Addition Law of Probability (OR)	
	MH46.19	Addition Law of Probability (General OR)	H
	MF46.14	Tree Diagrams 1: Completing Diagrams	

Strand	Code	Nugget Name	Course
	MF46.15	Tree Diagrams 2: Calculating Probability of Single Outcome	
	MF46.16	Tree Diagrams 3: Calculating Probability of Multiple Outcomes	
	MF46.17	Tree Diagrams 4: AND/OR Statements (2 Branch Trees)	
	MH46.20	Tree Diagrams 5: AND/OR Statements (3 Branch Trees)	H
	MH46.21	Tree Diagrams 6: AND/OR Statements (No Tree Given)	H
liity.	MH46.22	Tree Diagrams 7: NOT Statements	H
robab	MH46.23	Tree Diagrams 8: Reverse	H
ā	MH46.24	Tree Diagrams 9: Conditional Probability (Single Outcome)	H
	MH46.25	Tree Diagrams 10: Conditional Probability (Multiple Outcomes)	H
	MH46.26	Tree Diagrams 11: Conditional Probability (Problem Solving)	H
	MH46.27	Tree Diagrams 12: Algebraic Expressions	H
	MH46.28	Tree Diagrams 13: Solving Equations	H
	MF47.01	Set Notation	
S	MF47.02	Elements in a Set 1: Identifying Elements	
agran	MF47.03	Elements in a Set 2: Unions and Intersections	
E D	MF47.04	Elements in a Set 3: Complements	
Id Vei	MF47.05	Introduction to Venn Diagrams	
ets al	MF47.06	Constructing Venn Diagrams 1: Listing Elements	
S	MF47.07	Constructing Venn Diagrams 2: Writing Values	
	MH47.12	Constructing Venn Diagrams 3: 3-Set Diagrams	H

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FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
	MF47.09	Interpreting Venn Diagrams 1: 2-Set Diagrams	
	MH47.13	Interpreting Venn Diagrams 2: 3-Set Diagrams (From Set Notation)	H
	MH47.14	Venn Diagrams: Complements	H
	MH47.15	Venn Diagrams with Algebra	H
	MF47.10	Probabilities with Venn Diagrams 1: 2-Set Diagrams	
0iagrams	MF47.11	Probabilities with Venn Diagrams 2: 2-Set Diagrams (A given B)	
d Venn D	MH47.16	Probabilities with Venn Diagrams 3: 3-Set Diagrams (From Set Notation)	H
Sets and	MH47.17	Probabilities with Venn Diagrams 4: 3-Set Diagrams (Constructing)	H
	MH47.18	Probabilities with Venn Diagrams 5: 3-Set Diagrams (A given B)	H
	MF47.08	Shading Venn Diagrams 1: 2-Set Diagrams (From Words)	H
	MH47.19	Shading Venn Diagrams 2: 2-Set Diagrams (From Set Notation)	H
-	MH47.20	Shading Venn Diagrams 3: 3-Set Diagrams (From Set Notation)	H
Statistics			
Collecting Data	MF48.01	Hypotheses, Primary Data and Secondary Data	
	MF48.02	Discrete and Continuous Data	
	MF48.03	Tally Chart	
	MF48.04	Questionnaires	

Strand	Code	Nugget Name	Course
<mark>6</mark>	MF48.06	Fair Samples	
Collecti Data	MF48.07	Grouped Tally Charts: Discrete and Continuous	
	MH48.08	Petersen's Capture-Recapture	
	MF49.01	Mode	
	MF49.02	Median	
	MF49.03	Mean 1: Positive Integers	
	MF49.04	Mean 2: Decimals and Negatives	
	MF49.05	Mean 3: Finding Missing Values	
	MF49.06	Mean 4: Changing Means	
	MF49.07	Range 1: Positive Integers	
	MF49.08	Range 2: Decimals and Negatives	
Data	MF49.09	Applying Averages and the Range 1: Raw Data	
/sing	MF49.10	Mode from Frequency Table	
Analy	MF49.11	Median from Frequency Table	
	MF49.12	Mean from Frequency Table	
	MF49.13	Range from Frequency Table	
	MF49.14	Modal Class from Grouped Frequency Table	
-	MF49.15	Median from Grouped Frequency Table	
	MF49.16	Mean from Grouped Frequency Table 1: Discrete and Continuous Data	
	MF49.17	Mean from Grouped Frequency Table 2: Continuous Data	
	MF49.18	Range from Grouped Frequency Table	

MF48.05 Types of Random Sampling

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FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
rsing Data	MF49.19	Applying Averages and the Range 2: Tables	
	MF49.20	Using Averages and Range	
Anal	MF49.21	Using Averages and Range: Comparing Two Data Sets	
	MF50.01	Completing Two Way Tables	
	MF50.02	Interpreting Two Way Tables	
Data	MF50.03	Pictograms	
aying	MF50.04	Bar Charts	
Displ	MF50.05	Multiple and Composite Bar Charts	
	MF50.06	Vertical Line Graphs	
	MF50.07	Creating Stem and Leaf Diagrams	
	MF50.08	Interpreting Stem and Leaf Diagrams	
	MF50.09	Creating Pie Charts (No Calculator)	
	MF50.10	Creating Pie Charts (Calculator)	
	MF50.11	Interpreting Pie Charts	
Data	MF50.12	Time Series Graphs	
aying	MF50.13	Drawing Scatter Graphs	
Displ	MF50.14	Interpreting Scatter Graphs 1: Introduction	
	MF50.15	Interpreting Scatter Graphs 2: Outliers	
	MF50.16	Frequency Polygons: Drawing	
	MF50.17	Frequency Polygons: Interpreting	
	MF50.18	Interpreting Misleading Data Representations	

Strand	Code	Nugget Name	Course
	MH60.01	Cumulative Frequency 1: Calculating	H
	MH60.02	Cumulative Frequency 2: Drawing	H
	MH60.03	Cumulative Frequency 3: Calculating Frequency	H
ş	MH60.04	Cumulative Frequency 4: Finding Values	H
ox Plo	MH60.05	Cumulative Frequency 5: Median	H
a pue	MH60.06	Cumulative Frequency 6: Quartiles	H
encya	MH60.07	Cumulative Frequency 7: Interquartile Range	H
requ	MH60.08	Cumulative Frequency 8: Plot and Evaluate	H
ative I	MH60.09	Box Plots 1: Interpret	H
m m n	MH60.10	Box Plots 2: Finding Values to Plot	H
U .	MH60.11	Box Plots 3: Draw from List	H
	MH60.12	Box Plots 4: Draw from Data	H
	MH60.13	Box Plots 5: Evaluate and Compare	H
	MH60.14	Cumulative Frequency and Box Plots	H
	MH61.01	Frequency Density 1: Calculating	H
	MH61.02	Frequency Density 2: Problem Solving	H
	MH61.03	Histograms 1: Choosing Axes	H
rams	MH61.04	Histograms 2: Plotting	H
listog	MH61.05	Histograms 3: Calculating Frequency	H
÷.,	MH61.06	Histograms 4: Calculating Frequency within a Given Range	H
	MH61.07	Histograms 5: Mixed Exercise (Consolidates 1-4)	H
	MH61.08	Histograms 6: Finding Fractions and Percentages	H

FE – Mathematics GCSE: Foundation & Higher

FE Mathematics Course Mapping

Strand	Code	Nugget Name	Course
Irams	MH61.09	Histograms 7: Finding Proportions	H
	MH61.10	Histograms 8: Median	H
Histog	MH61.11	Histograms 9: Mean	H
	MH61.12	Histograms 10: Mixed Exercise (Consolidates 6-9)	H
Topic Dia	gnostics		
	MF0.01	Diagnostic: Number 1	
	MF0.02	Diagnostic: Algebra 1	
	MF0.30	Diagnostic: Ratio and Proportion 1	
tics	MF0.03	Diagnostic: Geometry 1	
souße	MF0.04	Diagnostic: Number 2	
ic Di	MF0.05	Diagnostic: Probability 1	
Į	MF0.06	Diagnostic: Statistics 1	
	MF0.07	Diagnostic: Algebra 2	
	MF0.31	Diagnostic: Ratio and Proportion 2	
	MF0.08	Diagnostic: Geometry 2	
	MH0.09	Diagnostic: Number 3	H
s	MH0.10	Diagnostic: Number 4	H
nostic	MH0.11	Diagnostic: Algebra 3	H
Diag	MH0.12	Diagnostic: Algebra 4	H
Topic	MH0.13	Diagnostic: Algebra 5	H
igher	MH0.32	Diagnostic: Ratio and Proportion 3	H
Ï	MH0.14	Diagnostic: Geometry 3	H
	MH0.15	Diagnostic: Geometry - Circles and Circle Theorems	H

Strand	Code	Nugget Name	Course
ner Topic gnostics	MH0.16	Diagnostic: Statistics 2	H
	MH0.17	Diagnostic: Probability 2	H
Hig Dia	MH0.18	Diagnostic: Geometry - Advanced Trigonometry	H
	MF00.01	Topic Diagnostic: Times Tables	
	MF00.02	Topic Diagnostic: Calculations 1	
	MF00.03	Topic Diagnostic: Calculations 2	
	MF00.04	Topic Diagnostic: Negative Numbers	
	MF00.05	Topic Diagnostic: Decimals	
	MH00.01	Topic Diagnostic: Rounding and Estimating	H
	MF00.06	Topic Diagnostic: BIDMAS and Using a Calculator	
mber	MF00.07	Topic Diagnostic: Fractions	
s: Nu	MF00.08	Topic Diagnostic: Fractions: Addition and Subtraction	
nostic	MF00.09	Topic Diagnostic: Fractions: Multiplication and Division	
Diag	MF00.10	Topic Diagnostic: Fractions of an Amount	
Topic	MF00.11	Topic Diagnostic: Factors, Multiples and Primes	
	MF00.12	Topic Diagnostic: LCM and HCF 1	
	MH00.02	Topic Diagnostic: LCM and HCF 2	H
	MF00.13	Topic Diagnostic: Percentages	
	MF00.14	Topic Diagnostic: Fractions, Decimals and Percentages	
	MH00.03	Topic Diagnostic: Recurring Decimals	H
	MF00.15	Topic Diagnostic: Bounds 1	
	MH00.04	Topic Diagnostic: Bounds 2	H

FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
	MF00.16	Topic Diagnostic: Percentages: Increase, Decrease and Interest	
	MF00.17	Topic Diagnostic: Percentages: Change, Error and Reverse	
nber	MH00.05	Topic Diagnostic: Exponential Growth and Decay	H
S: Nur	MF00.18	Topic Diagnostic: Powers and Roots	
lostic	MH00.06	Topic Diagnostic: Surds	H
Diagr	MF00.19	Topic Diagnostic: Laws of Indices 1	
Topic	MH00.07	Topic Diagnostic: Laws of Indices 2	H
	MH00.08	Topic Diagnostic: Fractional Indices	H
	MH00.09	Topic Diagnostic: Solving Problems with Indices	H
	MF00.20	Topic Diagnostic: Standard Form	
	MF00.21	Topic Diagnostic: Ratio	
rtion	MF00.22	Topic Diagnostic: Ratio: Sharing 1	
gnost Propo	MH00.10	Topic Diagnostic: Ratio: Sharing 2	H
ic Dia	MF00.23	Topic Diagnostic: Proportion	
Top Ratio	MF00.24	Topic Diagnostic: Direct and Inverse Proportion 1	
	MH00.11	Topic Diagnostic: Direct and Inverse Proportion 2	H
bra	MF00.25	Topic Diagnostic: Simple Algebra	
ignostics: Alge	MF00.26	Topic Diagnostic: Expanding and Factorising Single Brackets	
	MF00.27	Topic Diagnostic: Expanding and Factorising Double Brackets	
oic Di	MH00.12	Topic Diagnostic: Factorising Non-monic Quadratics	θ
Top	MF00.28	Topic Diagnostic: Solving Linear Equations 1	

Strand	Code	Nugget Name	Course
	MF00.29	Topic Diagnostic: Solving Linear Equations 2	
	MF00.30	Topic Diagnostic: Solving Simultaneous Linear Equations	
	MH00.13	Topic Diagnostic: Iteration	H
	MF00.31	Topic Diagnostic: Solving Quadratic Equations 1	
	MH00.14	Topic Diagnostic: The Quadratic Formula	H
	MH00.15	Topic Diagnostic: Solving Quadratic Equations 2	H
ē	MH00.16	Topic Diagnostic: Completing the Square	H
Algeb	MH00.17	Topic Diagnostic: Algebraic Fractions	H
stics: ,	MF00.32	Topic Diagnostic: Formulae	
agno	MH00.18	Topic Diagnostic: Algebraic Proof	H
pic Di	MH00.19	Topic Diagnostic: Functions	H
P	MH00.20	Topic Diagnostic: Composite Functions	H
	MH00.21	Topic Diagnostic: Inverse Functions	H
	MF00.33	Topic Diagnostic: Sequences	
	MH00.22	Topic Diagnostic: Quadratic Sequences	H
	MF00.34	Topic Diagnostic: Inequalities	
	MF00.35	Topic Diagnostic: Solving Inequalities 1	
	MH00.23	Topic Diagnostic: Solving Inequalities 2	H
ics:	MF00.36	Topic Diagnostic: Coordinates	
gnost phs	MF00.37	Topic Diagnostic: Straight Line Graphs 1	
ic Dia Gra	MH00.24	Topic Diagnostic: Straight Line Graphs 2	H
Top	MH00.25	Topic Diagnostic: Inequality Regions	H

FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher

Strand	Code	Nugget Name	Course
agnostics: Graphs	MF00.38	Topic Diagnostic: Quadratic Graphs 1	
	MH00.26	Topic Diagnostic: Quadratic Graphs 2	H
	MF00.39	Topic Diagnostic: Other Graphs 1	
	MH00.27	Topic Diagnostic: Other Graphs 2	H
pic D	MH00.28	Topic Diagnostic: Trigonometric Graphs	H
P	MH00.29	Topic Diagnostic: Graph Transformations	H
	MF00.40	Topic Diagnostic: 2D and 3D Shapes	
	MF00.41	Topic Diagnostic: Angles	
	MF00.42	Topic Diagnostic: Angle Rules	
	MF00.43	Topic Diagnostic: Angles in Parallel Lines	
	MF00.44	Topic Diagnostic: Angles in Polygons	
~	MF00.45	Topic Diagnostic: Perimeter	
metr	MF00.46	Topic Diagnostic: Area	
Geo	MF00.47	Topic Diagnostic: Circles: Circumference	
lostic	MF00.48	Topic Diagnostic: Circles: Area	
Diagr	MH00.30	Topic Diagnostic: Circles: Arcs and Sectors	θ
lopic	MF00.49	Topic Diagnostic: Volume 1	
F	MH00.31	Topic Diagnostic: Volume 2	H
-	MF00.50	Topic Diagnostic: Surface Area	
	MF00.51	Topic Diagnostic: Reflection, Rotation and Translation	
	MF00.52	Topic Diagnostic: Enlargements and Mixed Transformations 1	
	MH00.32	Topic Diagnostic: Enlargements and Mixed ransformations 2	H

Strand	Code	Nugget Name	Course
	MH00.33	Topic Diagnostic: Circle Theorems	H
	MF00.53	Topic Diagnostic: Vectors	
	MH00.34	Topic Diagnostic: Geometric Vectors	H
Ę	MF00.54	Topic Diagnostic: Constructions and Loci	
eome	MF00.55	Topic Diagnostic: Similarity 1	
tics: G	MH00.35	Topic Diagnostic: Similarity 2	H
soub	MF00.56	Topic Diagnostic: Pythagoras' Theorem	
oic Dia	MF00.57	Topic Diagnostic: Right-Angled Trigonometry	
Top	MH00.36	Topic Diagnostic: Sine and Cosine Rules	H
	MH00.37	Topic Diagnostic: Mixed Trigonometry	H
	MH00.38	Topic Diagnostic: 3D Pythagoras and Trigonometry	H
	MF00.58	Topic Diagnostic: Scale Drawings and Bearings	
	MF00.59	Topic Diagnostic: Measures 1	
sures	MF00.60	Topic Diagnostic: Measures 2	
:: Mea	MF00.61	Topic Diagnostic: Measures of Time	
ostics	MF00.62	Topic Diagnostic: Conversions	
Diagn	MF00.63	Topic Diagnostic: Compound Measures: Speed	
Topic	MF00.64	Topic Diagnostic: Compound Measures: Density	
	MH00.39	Topic Diagnostic: Velocity-time Graphs	H
ity it	MF00.65	Topic Diagnostic: Probability 1	
Topic gnosti babili	MH00.40	Topic Diagnostic: Probability 2	H
Dia	MF00.66	Topic Diagnostic: Tree Diagrams 1	

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FE Mathematics Course Mapping FE – Mathematics GCSE: Foundation & Higher



Strand	Code	Nugget Name	Course
Topic gnostics: obability	MH00.41	Topic Diagnostic: Tree Diagrams 2	H
	MF00.67	Topic Diagnostic: Sets and Venn Diagrams 1	
<u>P</u>	MH00.42	Topic Diagnostic: Sets and Venn Diagrams 2	H
itics	MF00.68	Topic Diagnostic: Collecting Data	
	MF00.69	Topic Diagnostic: Displaying Data	
: Stati	MF00.70	Topic Diagnostic: Averages and the Range	
nostics	MF00.71	Topic Diagnostic: Averages and the Range from a Frequency Table	
Topic Diag	MH00.43	Topic Diagnostic: Cumulative Frequency	H
	MH00.44	Topic Diagnostic: Box Plots	H
	MH00.45	Topic Diagnostic: Histograms	H



Course Content FE – Mathematics Functional Skills (Entry 1)



Diagnostics 3 Strands 4 Nuggets 33

This course contains material to cover mathematics as part of the Functional Skills Entry Level 1 qualification. It is suitable for all exam boards.

Strands

A strand is a sequence of nuggets grouped by theme or topic, forming a high-level organisation of content within a course.

Strand	Nuggets
Diagnostics	3
Number	11
Measure	17
Data	5

Nuggets

A nugget is a micro-lesson that contains learning material followed by questions to assess learning.

Strand	Code	Nugget Name
Diagnostics	MA0.01	Diagnostic: Entry 1 - Non Calculator
	MA0.02	Diagnostic: Entry 1 - Calculator
	MA0.03	Diagnostic: Entry 1

Strand Nugget Name Code MA1.01 Read Numbers up to 20 MA1.02 Write Numbers up to 20 MA1.03 Compare Numbers up to 20 MA1.04 Order Numbers up to 20 MA1.05 Read, Write, Order and Compare - Exam Style Number Count Items up to 20 MA1.06 MA1.07 Recognise +, - and =MA1.08 Adding Numbers up to 20 MA1.09 Subtracting Numbers up to 20 Add and Subtract: Exam Style MA1.10 MA1.11 Checking Answers with Add and Subtract: Exam Style Money 1: Recognise Coins and Notes MC2.02 MC2.05 Money 2: Exam-Style Questions Reading a 12-hour Digital Clock MA2.01 Reading a 12-Hour Clock 1: O'Clock and Half Past Measure MF37.01 MA2.02 Days of the Week Months of the Year MA2.03 MA2.04 Seasons in a Year

MA2.05 Days, Weeks, Months and Seasons



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FE Mathematics Course Mapping FE – Mathematics Functional Skills (Entry 1)

Strand	Code	Nugget Name
	MA2.06	Identifying 2D Shapes
	MA2.07	Identifying 2D and 3D Shapes
	MA2.08	Describe and Compare Size
	MA2.09	Weight and Capacity
	MA2.10	Length and Width
	MA2.11	Left and Right
	MA2.12	In Front and Behind
	MA2.13	Under and Above
	MA2.14	Positional Vocabulary (combined)
	MC3.02	Lists 1: Least and Greatest
Data	MC3.03	Lists 2: Finding Certain Values in Given Groups
	MA3.01	Sort and Classify Objects
	MA3.02	Tally Charts
	MA3.03	Block Diagrams



Course Content FE – Mathematics Functional Skills (Entry 2)



Diagnostics 2 **Strands** 4 **Nuggets** 72

This course contains material to cover mathematics as part of the Functional Skills Entry Level 2 qualification. It is suitable for all exam boards.

Strands

A strand is a sequence of nuggets grouped by theme or topic, forming a high-level organisation of content within a course.

Strand	Nuggets
Diagnostics	2
Number	32
Measure	30
Data	10

Nuggets

A nugget is a micro-lesson that contains learning material followed by questions to assess learning.

Strand	Code	Nugget Name
Diagnostics	MB0.01	Diagnostic: Entry 2 - Non Calculator
	MB0.02	Diagnostic: Entry 2 - Calculator
	MB0.03	Diagnostic: Entry 2

Strand	Code	Nugget Name
	MB1.01	Count Items up to 100
	MB1.02	Read Numbers up to 200
	MB1.03	Write Numbers up to 200
	MB1.04	Compare Numbers up to 200
	MB1.05	Order Numbers up to 200
	MB1.06	Recognise Odd and Even Numbers
	MB1.07	Sequence Odd and Even Numbers
	MA1.07	Recognise +, – and =
	MB1.08	Recognise x and ÷
	MB1.09	Interpreting Mathematical Symbols
	MB1.10	Adding Two-Digit Numbers 1
ā	MB1.11	Adding Two-Digit Numbers 2
ă L	MB1.12	Subtracting Two-Digit Numbers 1
z	MB1.13	Subtracting Two-Digit Numbers 2
	MB1.14	Adding and Subtracting Two-Digit Numbers
	MB1.15	Times Tables: 0 and 1
	MF1.04	Times Tables: 2, 5 and 10
	MF1.05	Times Tables: 3 and 4
	MF1.06	Times Tables: 6 and 7
	MF1.07	Times Tables: 8 and 9
	MF1.08	Times Tables: 11 and 12
	MB1.16	Multiplication Problems
	MB1.17	2 Digits Divided by 1 Digit (No Remainders)
	MB1.18	2 Digits Divided by 1 Digit (With Remainders)
	MB1.19	Rounding to the Nearest 10

← Back to Curriculum Overview

FE Mathematics Course Mapping FE – Mathematics Functional Skills (Entry 2)

Strand	Code	Nugget Name
	MB1.20	Checking Answers Using Rounding
	MB1.21	Recognising a Half and a Quarter
	MB1.22	Recognising a Tenth
d n	MB1.23	Finding Fractions of Whole Numbers
2	MB1.24	Reading and Writing Decimals
	MB1.25	Comparing and Ordering Decimals
	MB1.26	Adding and Subtracting Decimals
	MC2.02	Money 1: Recognise Coins and Notes
	MC2.05	Money 2: Exam-Style Questions
	MB2.01	Money 3: Coins and Notes Problems
	MF37.01	Reading a 12-Hour Clock 1: O'Clock and Half Past
	MB2.02	Reading a 12-hour Clock 2
	MB2.03	Converting Time: 24 Hour Clock
	MA2.04	Seasons in a Year
<u>e</u>	MA2.05	Days, Weeks, Months and Seasons
least	MB2.04	Hours in a Day and Weeks in a Year
2	MB2.05	Reading the Date
-	MA2.08	Describe and Compare Size
	MA2.09	Weight and Capacity
	MA2.10	Length and Width
	MB2.06	Measures of Length
	MB2.07	Measures of Weight
	MB2.08	Measures of Capacity
	MB2.09	Read and Compare Positive Temperatures

Strand	Code	Nugget Name
	MB2.10	Reading Simple Scales
	MB2.11	Using Simple Scales
	MA2.07	Identifying 2D and 3D Shapes
	MB2.12	Naming 2D Shapes
	MB2.13	Naming 3D Shapes
	MB2.14	Describing 2D Shapes
sure	MB2.15	Describing 3D Shapes
Mea	MA2.11	Left and Right
	MA2.12	In Front and Behind
	MA2.13	Under and Above
	MA2.14	Positional Vocabulary (combined)
	MB2.16	Middle, Below, On Top
	MB2.17	Between, Inside, Outside
	MB2.18	Forwards and Backwards
	MC3.02	Lists 1: Least and Greatest
	MC3.03	Lists 2: Finding Certain Values in Given Groups
	MA3.02	Tally Charts
	MC3.01	Tables
Ita	MB3.01	Diagrams
Ď	MA3.03	Block Diagrams
	MB3.02	Bar Charts
	MA3.01	Sort and Classify Objects
	MB3.03	Sort and Classify Objects (two criteria)
	MB3.04	Representing Information in Bar Charts

FE Mathematics Course Mapping FE – Mathematics Functional Skills (Entry 2)

Course Content FE – Mathematics Functional Skills (Entry 3)



Diagnostics 3 **Strands** 4 **Nuggets** 75

This course contains material to cover mathematics as part of the Functional Skills Entry Level 3 qualification. It is suitable for all exam boards.

Strands

A strand is a sequence of nuggets grouped by theme or topic, forming a high-level organisation of content within a course.

Strand	Nuggets
Diagnostics	3
Number	31
Measure	35
Data	9

Nuggets

A nugget is a micro-lesson that contains learning material followed by questions to assess learning.

Strand	Code	Nugget Name
Diagnostics	MC0.01	Diagnostic: Entry 3 - Non Calculator
	MC0.02	Diagnostic: Entry 3 - Calculator
	MC0.03	Diagnostic: Entry 3

Strand	Code	Nugget Name
_	MF2.01	Integer Place Value
	MC1.01	Reading and writing numbers up to 1000
	MB1.05	Order Numbers up to 200
	MF2.08	Ordering Integers
	MC1.02	Column Addition (no exchanging)
	MC1.03	Column Addition (with exchanging)
	MC1.04	Column Subtraction (no exchanging)
	MC1.05	Column Subtraction (with exchanging)
	MF1.03	Addition and Subtraction
	MF3.03	Addition and Subtraction: Worded Questions
per	MF1.11	Division: 1, 2, 3, 4, 5 and 10
NUN	MF1.12	Division: 6, 7, 8, 9, 11 and 12
	MF1.13	Division: Mixed
	MC1.06	Dividing 2 and 3 digit Numbers (partitioning with no remainders)
	MC1.07	Dividing 2 and 3 digit Numbers (using partitioning with remainders)
	MC1.08	Dividing 2 and 3 digit Numbers (short division)
	MC1.09	Multiplying using Partitioning
	MC1.10	Multiplying 2 and 3 Digit Numbers
	MF3.07	Column Multiplication
	MC1.11	Rounding to the Nearest 10
	MC1.12	Rounding to the Nearest 100
	MC1.13	Continuing Sequences



FE Mathematics Course Mapping

FE – Mathematics Functional Skills (Entry 3)

Strand	Code	Nugget Name
	MC1.14	Sequences: Finding the Term-to-Term Rule
	MC1.15	Sequences: Using the Term-to-Term Rule
	MC1.16	Sequences: Diagrams 1
	MC1.17	Identifying Fractions
nber	MF4.03	Equivalent Fractions
Nun	MF4.04	Simplifying Fractions
	MF4.05	Shading Fractions
	MF6.01	Decimal Place Value
	MC1.18	Continuing Sequences with Decimals
	MC1.19	Finding Unit Fractions of Amounts
	MC2.01	Pounds and Pence
	MC2.02	Money 1: Recognise Coins and Notes
	MC2.03	Adding Amounts of Money
	MC2.04	Finding Change
	MC2.05	Money 2: Exam-Style Questions
easure - -	MC2.06	Solving Money Problems 1
	MC2.07	Multiplying Amounts of Money
	MC2.08	Dividing Amounts of Money
	MC2.09	Solving Money Problems 2
	MC2.10	Estimating Amounts of Money
	MF37.04	Converting Time: AM and PM
	MF37.01	Reading a 12-Hour Clock 1: O'Clock and Half Past

Strand	Code	Nugget Name
_	MF37.02	Reading a 12-Hour Clock 2: Multiples of 5
	MF37.03	Reading a 12-Hour Clock 3: Mixed
	MC2.11	12 hour and 24 hour Clocks
	MC2.12	Units of Measure
	MC2.13	Length
	MC2.14	Mass
	MC2.15	Volume and Capacity
	MC2.16	Temperature
	MC2.17	Converting Length
	MC2.18	Converting Mass
é	MC2.19	Converting Volume
easul	MC2.20	Imperial Units of Length
Σ	MC2.21	Imperial Units of Mass
	MC2.22	Imperial Units of Volume and Capacity
	MC2.23	Solving Length Problems with Conversion
	MC2.24	Solving Mass Problems with Conversion
	MC2.25	Rounding Units on a Scale
	MC2.26	Solving Problems with Metric Units
	MC2.27	Using a Ruler
	MC2.28	Identifying Angles
	MC2.29	Lines of Symmetry
	MC2.30	Describing Movement
	MC2.31	Describing Direction

FE Mathematics Course Mapping FE – Mathematics Functional Skills (Entry 3) CENTURY ³⁹

Strand	Code	Nugget Name
	MC3.01	Tables
	MF50.04	Bar Charts
	MC3.02	Lists 1: Least and Greatest
	MC3.03	Lists 2: Finding Certain Values in Given Groups
Data	MF50.06	Vertical Line Graphs
	MC3.04	Interpreting Tables
	MC3.05	Drawing Tables
	MF50.05	Multiple and Composite Bar Charts
	MB3.03	Sort and Classify Objects (two criteria)



Course Content FE – Mathematics Functional Skills (Level 1)



Diagnostics 2 Strands 18 Nuggets 154

This course contains material to cover mathematics as part of the Functional Skills Level 1 qualification. It is suitable for all exam boards.

Strands

A strand is a sequence of nuggets grouped by theme or topic, forming a high-level organisation of content within a course.

Strand	Nuggets
Diagnostics	3
Integers	16
Decimals	11
Fractions	10
Percentages	12
Fractions, Decimals, and Percentages	12
Rounding	6
Proportion	10
Algebra	2
Measures	17
Angles	8
2D and 3D shapes	10

Strand	Nuggets
Area and Perimeter	9
Volume and Surface Area	3
Handling Data	15
Probability	5
Functional	4
Money	4

Nuggets

A nugget is a micro-lesson that contains learning material followed by questions to assess learning.

Strand	Code	Nugget Name
Diagnostics	MD0.01	Diagnostic: Level 1 - Non Calculator
	MD0.02	Diagnostic: Level 1 - Calculator
	MD0.03	Diagnostic: Level 1
Integers	MF3.17	Using a Calculator 1: Powers and Roots of a Single Number
	MF2.01	Integer Place Value
	MC1.01	Reading and writing numbers up to 1000
	MD1.01	Reading Large Numbers
	MD1.02	Writing Large Numbers
	MF2.02	Mathematical Symbols
	MF2.14	Negative Numbers
	MD1.04	Ordering Integers

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FE Mathematics Course Mapping FE – Mathematics Functional Skills (Level 1)

Strand	Code	Nugget Name
	MD1.05	Ordering Negatives
	MF3.01	Column Addition
	MF3.02	Column Subtraction
	MD1.06	Addition and Subtraction: Worded Questions
gers	MD1.07	Multiplying by Powers of Ten
Inte	MD1.08	Dividing by Powers of Ten
	MD1.09	Multiplication and Division Facts
	MD1.10	Multiplication and Division: Worded Questions
	MD1.11	Squares
	MD1.13	Powers (Basic Calculator)
	MF6.01	Decimal Place Value
	MF2.09	Ordering Decimals
	MD2.01	Adding Decimals 1
	MD2.02	Adding Decimals 2
<u>s</u>	MF6.04	Subtracting Decimals 1: Calculations
ecimé	MF6.05	Subtracting Decimals 2: Worded Problems
Δ	MF6.06	Multiplying Decimals 1
	MF6.07	Multiplying Decimals 2
	MF6.09	Dividing Decimals
	MF6.12	Manipulating Decimal Calculations with Multiplication
	MF6.13	Manipulating Decimal Calculations with Division
ac- ons	MF4.01	Expressing Fractions
Fr ₆	MD3.01	Equivalent Fractions

MD3.02 Simplifying Fractions MF4.05 Shading Fractions MF4.02 Ordering Fractions MF4.03 Fraction of Amounts: Modelling MD3.03 Fraction of Amounts: Non-Calculator MD3.04 Fraction of Amounts: Calculator MF4.06 Mixed and Improper Fractions MD3.05 Estimating Fractions MD3.05 Estimating Percentages MD4.01 Finding 50% MD4.02 Finding 10% MD4.03 Finding 10% MD4.04 Finding 5% MD4.05 Finding Multiples of Tens in Percentages MD4.06 Finding Multiples of Tens in Percentages MD4.08 Comparing Percentages MD4.08 Comparing Percentages MD4.09 Percentages of Amounts: Modelling MD4.09 Percentages 1 MD4.09 Percentages 1 MD4.09 Simple Interest: Multiples of 5% MD4.10 Simple Interest: Multiples of 5% MD4.12 Discounts	Strand	Code	Nugget Name
MF4.05Shading FractionsMF4.02Ordering FractionsMF4.39Fraction of Amounts: ModellingMD3.03Fraction of Amounts: Non-CalculatorMD3.04Fraction of Amounts: CalculatorMF4.06Mixed and Improper FractionsMD3.05Estimating FractionsMD3.05Estimating PercentagesMD4.01Finding 50%MD4.02Finding 10%MD4.03Finding 10%MD4.04Finding 5%MD4.05Finding Multiples of Tens in PercentagesMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentages and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD3.02	Simplifying Fractions
MF4.02 Ordering Fractions MF4.39 Fraction of Amounts: Modelling MD3.03 Fraction of Amounts: Non-Calculator MD3.04 Fraction of Amounts: Calculator MD3.05 Estimating Fractions MD3.05 Estimating Fractions MD4.01 Finding 50% MD4.02 Finding 25% MD4.03 Finding 10% MD4.04 Finding 5% MD4.05 Finding multiples of Tens in Percentages MF7.15 Percentages of Amounts: Modelling MF7.14 Estimate with Percentages MD4.08 Comparing Percentages 1 MD4.09 Percentage Increase and Decrease: Functional Skills MD4.10 Simple Interest: Multiples of 5% MD4.12 Discounts		MF4.05	Shading Fractions
MF4.39Fraction of Amounts: ModellingMD3.03Fraction of Amounts: Non-CalculatorMD3.04Fraction of Amounts: CalculatorMD3.05Eraction of Amounts: CalculatorMF4.06Mixed and Improper FractionsMD3.05Estimating FractionsMD4.06Finding PercentagesMD4.01Finding 50%MD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.05Finding Multiples of Tens in PercentagesMF715Percentages of Amounts: ModellingMF714Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MF4.02	Ordering Fractions
PrecisionMD3.03Fraction of Amounts: Non-CalculatorMD3.04Fraction of Amounts: CalculatorMF4.06Mixed and Improper FractionsMD3.05Estimating FractionsMD3.05Estimating FractionsMD4.01Finding PercentagesMD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.05Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts	tions	MF4.39	Fraction of Amounts: Modelling
MD3.04 Fraction of Amounts: Calculator MF4.06 Mixed and Improper Fractions MD3.05 Estimating Fractions MD4.01 Estimating Percentages MD4.01 Finding 50% MD4.02 Finding 25% MD4.03 Finding 10% MD4.04 Finding 5% MD4.05 Finding Multiples of Tens in Percentages MF7.15 Percentages of Amounts: Modelling MF7.14 Estimate with Percentages MD4.08 Comparing Percentages 1 MD4.09 Percentage Increase and Decrease: Functional Skills MD4.10 Simple Interest: Multiples of 5% MD4.12 Discounts	Frac	MD3.03	Fraction of Amounts: Non-Calculator
MF4.06Mixed and Improper FractionsMD3.05Estimating FractionsMD3.05Estimating FractionsMF7.01Understanding PercentagesMD4.01Finding 50%MD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD3.04	Fraction of Amounts: Calculator
MD3.05Estimating FractionsMF7.01Understanding PercentagesMD4.01Finding 50%MD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.09Percentages 1MD4.09Simple Interest: Multiples of 5%MD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MF4.06	Mixed and Improper Fractions
MF7.01Understanding PercentagesMD4.01Finding 50%MD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD3.05	Estimating Fractions
MD4.01Finding 50%MD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MF7.01	Understanding Percentages
MD4.02Finding 25%MD4.03Finding 10%MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD4.01	Finding 50%
MD4.03Finding 10%MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD4.02	Finding 25%
MD4.04Finding 5%MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD4.03	Finding 10%
MD4.06Finding Multiples of Tens in PercentagesMF7.15Percentages of Amounts: ModellingMF7.14Estimate with PercentagesMD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MD4.04	Finding 5%
MF7.15 Percentages of Amounts: Modelling MF7.14 Estimate with Percentages MD4.08 Comparing Percentages 1 MD4.09 Percentage Increase and Decrease: Functional Skills MD4.10 Simple Interest: Multiples of 5% MD4.12 Discounts	ıtages	MD4.06	Finding Multiples of Tens in Percentages
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MD4.08Comparing Percentages 1MD4.09Percentage Increase and Decrease: Functional SkillsMD4.10Simple Interest: Multiples of 5%MD4.12Discounts		MF7.14	Estimate with Percentages
MD4.09 Percentage Increase and Decrease: Functional Skills MD4.10 Simple Interest: Multiples of 5% MD4.12 Discounts		MD4.08	Comparing Percentages 1
MD4.10 Simple Interest: Multiples of 5% MD4.12 Discounts		MD4.09	Percentage Increase and Decrease: Functional Skills
MD4.12 Discounts		MD4.10	Simple Interest: Multiples of 5%
		MD4.12	Discounts

FE Mathematics Course Mapping FE – Mathematics Functional Skills (Level 1)



Strand	Code	Nugget Name
_	MF8.01	Introduction to Fractions, Decimals and Percentages
	MD5.01	Converting Fractions to Denominator 100
S	MD5.02	Fractions to Percentage
ntage	MD5.03	Fractions to Percentages (Calculator)
Perce	MD5.04	Decimals to Percentage
, and	MD5.05	Percentage to Decimals
cimals	MD5.06	Fractions to Decimals 1
s, Dec	MD5.07	Fractions to Decimals 2
action	MD5.08	Fractions to Decimals (Calculator)
Ë.	MD5.09	Percentage to Fractions
	MD5.10	Percentage to Fractions (Calculator)
	MF8.14	Ordering Fractions, Decimals and Percentages 1: Unit Fractions (Non-Calculator)
	MD6.01	Rounding to the nearest 10, 100 and 1000
	MD6.02	Rounding to the Nearest Whole Number
ding	MD6.03	Rounding to 1 Decimal Place
Rour	MD6.04	Rounding to 2 Decimal Places
	MD6.05	Introduction to Estimation
	MD6.06	Estimation: Functional Skills
	MF15.01	Introduction to Ratio
Proportion	MD8.01	Simplifying Ratios
	MF15.12	Converting Fractions into Ratios
	MF15.15	Sharing with a Given Ratio: Modelling

Strand	Code	Nugget Name
	MD8.02	Sharing with a Given Ratio 1
	MD8.03	Sharing with a Given Ratio 2 (Calculator)
ortion	MD8.04	Introduction to Proportion
Propo	MD8.05	Direct Proportion 1
	MD8.06	Recipe Ratio 1
	MD8.07	Better Value
ebra	MF3.14	BIDMAS Introduction
Alge	MF17.12	Function Machines
	MF36.01	Reading Scales
	MF36.02	Metric Units
	MD10.01	Estimating with Metric Units
	MD10.02	Converting Metric Length (One-Step)
	MD10.03	Converting Metric Mass (One-Step)
	MD10.04	Converting Metric Capacity
sures	MD10.10	Converting between Pounds (£) and Pence (p)
Meas	MF37.01	Reading a 12-Hour Clock 1: O'Clock and Half Past
	MF37.02	Reading a 12-Hour Clock 2: Multiples of 5
	MF37.03	Reading a 12-Hour Clock 3: Mixed
	MD10.05	Converting Time: AM and PM
	MD10.06	Converting Time: Seconds, Minutes and Hours
	MF37.07	Calendar Months
	MD10.07	Converting Time: Days, Weeks and Years

FE – Mathematics Functional Skills (Level 1)

FE Mathematics Course Mapping

Strand	Code	Nugget Name
easures	MD10.08	Converting Time: Mixed Units
	MF37.09	Problems with Time
ž	MD10.09	Using Scales on a Map
	MF26.03	Types of Angles 1: Diagrams
	MF26.04	Types of Angles 2: Numbers
	MD11.01	Estimating Angles
gles	MF26.11	Measuring Angles 1: Angles < 180° (horizontal)
Ang	MF26.12	Measuring Angles 2: Angles < 180°
	MF26.13	Measuring Angles 3: Angles > 180°
	MD11.02	Drawing Angles
	MD11.05	Direction and Angles
	MF26.01	Key Terms in 2D Geometry
	MF26.06	Naming 2D Shapes
	MF29.02	Reflective Symmetry
sec	MD11.03	Parallel and Perpendicular Lines
2D and 3D shap	MF26.02	Key Terms in 3D Geometry
	MF26.10	Naming 3D Shapes
	MF33.02	Nets of Cubes
	MF33.03	Plans and Elevations with Cuboids
	MF33.04	Plans and Elevations
	MD11.04	Plan Drawings

Strand	Code	Nugget Name
	MF30.01	Perimeter by Counting
	MD12.01	Perimeter of Rectangles
e	MF30.02	Perimeter of Regular Shapes 1: Calculate Perimeter
erimet	MF30.03	Perimeter of Regular Shapes 2: Calculate Side Length
nd Pe	MD12.02	Perimeter of Rectilinear Shapes
Area a	MF31.01	Area by Counting Squares
4	MF31.02	Estimating Area
	MD12.03	Area of Squares, Rectangles and Parallelograms
	MD12.04	Area of Rectilinear Shapes
ind	MF34.01	Counting Cubes
ume a face A	MF34.02	Volume of Cubes and Cuboids
Sur	MF34.03	Volume of Cubes and Cuboids with Missing Side(s)
	MF50.04	Bar Charts
	MF50.06	Vertical Line Graphs
	MF50.05	Multiple and Composite Bar Charts
	MD13.02	Interpreting Pie Charts
Data	MD13.03	Completing Two Way Tables
dling I	MF50.02	Interpreting Two Way Tables
Hano	MD13.04	Creating Pie Charts (No Calculator)
	MD13.05	Creating Pie Charts (Calculator)
	MF48.03	Tally Chart
	MD13.06	Grouped Tally Charts: Discrete Data
	MF50.12	Time Series Graphs

FE Mathematics Course Mapping FE – Mathematics Functional Skills (Level 1)

Strand	Code	Nugget Name
dling Data	MF49.03	Mean 1: Positive Integers
	MF49.04	Mean 2: Decimals and Negatives
	MF49.05	Mean 3: Finding Missing Values
Han	MD13.07	Range 1
	MF49.08	Range 2: Decimals and Negatives
	MF46.01	Probability Scale in Words
Ę	MF46.02	Probability Scale in Numbers
obabil	MD14.01	Listing Outcomes
Ā	MD14.02	Calculating Probability
	MD14.03	Mutually Exclusive Events
	MD15.01	Functional: Number
tional	MD15.02	Functional: Area
Func	MD15.03	Functional: Perimeter
	MD15.04	Functional: Probability
Money	MD7.01	Menus
	MD7.02	Wage Calculations
	MD7.03	Profit and Loss 1
	MD7.04	Profit and Loss 2



Course Content FE – Mathematics Functional Skills (Level 2)



Diagnostics 3 Strands 18 Nuggets 285

This course contains material to cover mathematics as part of the Functional Skills Level 2 qualification. It is suitable for all exam boards.

Strands

A strand is a sequence of nuggets grouped by theme or topic, forming a high-level organisation of content within a course.

Strand	Nuggets
Diagnostics	3
Integers	20
Decimals	13
Fractions	23
Percentages	22
Fractions, Decimals, and Percentages	15
Rounding	7
Money	8
Proportion	17
Algebra	16
Measures	32
Angles	12

Strand	Nuggets
2D and 3D shapes	17
Area and Perimeter	25
Volume and Surface Area	8
Handling Data	36
Probability	10
Exam Style Practise	4

Nuggets

A nugget is a micro-lesson that contains learning material followed by questions to assess learning.

Strand	Code	Nugget Name
ics	ME0.01	Diagnostic: Level 2 - Non Calculator
soug	ME0.02	Diagnostic: Level 2 - Calculator
Dia	ME0.03	Diagnostic: Level 2
	MF3.17	Using a Calculator 1: Powers and Roots of a Single Number
- - - -	MF2.01	Integer Place Value
	MD1.01	Reading Large Numbers
	MD1.02	Writing Large Numbers
	MF2.02	Mathematical Symbols
	MF2.08	Ordering Integers
	MF2.14	Negative Numbers
	MF2.10	Ordering Negatives
	MF2.05	Adding Negatives

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Strand	Code	Nugget Name
	MF3.01	Column Addition
	MF3.02	Column Subtraction
	MF3.03	Addition and Subtraction: Worded Questions
	MF2.11	Multiplying by Powers of Ten
Ņ	MF2.12	Dividing by Powers of Ten
ıteger	MD1.09	Multiplication and Division Facts
-	MF12.01	Squares
	MF3.08	Grid Multiplication
	MD1.12	Column Multiplication
	MF3.11	Short Division
	MF3.13	Multiplication and Division: Worded Questions
	MF6.01	Decimal Place Value
	MF2.09	Ordering Decimals
	MF6.02	Adding Decimals 1: Calculations
	MF6.03	Adding Decimals 2: Worded Problems
<u>s</u>	MF6.04	Subtracting Decimals 1: Calculations
ecima	MF6.05	Subtracting Decimals 2: Worded Problems
ă	MF6.14	Multiplying Decimals with Napier's Bones
	ME2.01	Multiplying Decimals 1
	ME2.02	Multiplying Decimals 2
	ME2.03	Multiplying Decimals: Worded Questions
	ME2.04	Dividing Decimals

Strand	Code	Nugget Name
mals	ME2.05	Manipulating Decimal Calculations with Multiplication
Deci	ME2.06	Manipulating Decimal Calculations with Division
	ME3.01	Expressing Fractions
	ME3.02	Equivalent Fractions
	ME3.03	Simplifying Fractions
	ME3.04	Shading Fractions
	ME3.05	Ordering Fractions
	ME3.06	Mixed and Improper Fractions
	MF4.07	Adding Fractions 1: Same Denominator
	MF4.08	Adding Fractions 2: Convert 1 Denominator
	MF4.09	Adding Fractions 3: Convert 1 Denominator (Sum >1)
tions	MF4.10	Adding Fractions 4: Convert all Denominators
Frac	MF4.36	Fractions: Subtracting from 1
	MF4.11	Subtracting Fractions
	MF4.19	Adding and Subtracting Improper Fractions
	MF4.20	Adding and Subtracting Mixed Numbers
	MF4.21	Adding and Subtracting Improper Fractions and Mixed Numbers
	MF4.39	Fraction of Amounts: Modelling
	ME3.07	Fraction of Amounts: Non-Calculator
	ME3.08	Fraction of Amounts: Calculator
	ME3.09	Fractions of Amounts: Worded
	MF4.40	Fraction of Amounts: Modelling Finding the Whole

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Strand	Code	Nugget Name
actions	ME3.10	Increasing and Decreasing by Fractions
	ME3.11	Express One Amount as a Fraction of Another
μ, Έ	ME3.12	Functional: Fractions
	MF7.01	Understanding Percentages
	MF7.02	Finding 50%
	MF7.03	Finding 25%
	MF7.04	Finding 10%
	MF7.05	Finding 5%
	MF7.06	Finding 1%
	MF7.07	Finding Multiples of Tens in Percentages
	MF7.15	Percentages of Amounts: Modelling
	MF7.14	Estimate with Percentages
tages	MF11.13	Express One Amount as a Percentage of Another
ercen	ME4.01	Finding Percentages 1 (Calculator)
ď	MD4.08	Comparing Percentages 1
	MF7.12	Comparing Percentages 2
	MF11.04	Percentage Change
-	MF10.06	Percentage Increase and Decrease: Modelling
	MD4.09	Percentage Increase and Decrease: Functional Skills
	ME4.03	Percentage Increase and Decrease (Calculator)
	MF11.18	Reverse Percentages Introduction: Modelling
	MF11.19	Reverse Percentages: Modelling
	ME4.04	Reverse Percentage

Strand	Code	Nugget Name
v	ME4.06	Simple Interest: Functional Skills
itage	MF11.06	Simple Interest (Calculator)
ercer	ME4.07	Compound Interest
L	ME4.05	Compound Interest and Depreciation ME4.05
	MF8.01	Introduction to Fractions, Decimals and Percentages
	MF8.02	Converting Fractions to Denominator 100
	MF8.03	Fractions to Percentage
	ME5.01	Fractions to Percentages (Calculator)
ges	MF8.04	Decimals to Percentage
entag	MF8.05	Percentage to Decimals
l Perc	MF8.06	Fractions to Decimals 1: Equivalent Fractions
s, anc	MF8.07	Fractions to Decimals 2: Division
cimal	ME5.02	Fractions to Decimals (Calculator)
Is, De	MF8.08	Percentage to Fractions
action	ME5.03	Percentage to Fractions (Calculator)
E.	MF8.09	Decimals to Fractions
	ME5.04	Decimals to Fractions (Calculator)
	MF8.14	Ordering Fractions, Decimals and Percentages 1: Unit Fractions (Non-Calculator)
	MF8.15	Ordering Fractions, Decimals and Percentages 2: Non-Unit Fractions (Non-Calculator)
Ð	MF2.13	Rounding to the nearest 10, 100 and 1000
undir	MF9.01	Rounding to the Nearest Whole Number
Ro	MF9.02	Rounding to 1 Decimal Place

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Strand	Code	Nugget Name
	MF9.03	Rounding to 2 Decimal Places
ding	ME6.01	Rounding to 3 decimal places
Roun	MF9.11	Introduction to Estimation
	MD6.06	Estimation: Functional Skills
	ME7.01	Menus
	ME7.02	Wage Calculations
	ME7.03	Profit and Loss 1
ney	ME7.04	Profit and Loss 2
ĕ	ME7.05	Functional: Profit 1
	ME7.06	Functional: Profit 2
	MD4.12	Discounts
	ME7.07	Tax and Budgeting
	MF15.01	Introduction to Ratio
	MF15.02	Simplifying Ratios
	MF15.05	3 Part Ratios
	ME8.01	Converting Ratios into the Form 1:n
Proportion	ME8.02	Part of a Ratio to the Whole
	ME8.03	Converting Fractions into Ratios
	MF15.15	Sharing with a Given Ratio: Modelling
	ME8.04	Sharing with a Given Ratio 1
	ME8.05	Sharing with a Given Ratio 2 (Calculator)
	MF15.16	Ratio Fluency: Modelling

Strand	Code	Nugget Name
	MF16.01	Introduction to Proportion
	ME8.06	Direct Proportion 1
5	ME8.07	Inverse Proportion 1
oporti	ME8.08	Recipe Ratio 1
ă	ME8.09	Recipe Ratio 2
	MF16.04	Better Value
	ME8.10	Better Value 2
	ME9.01	Powers
	ME9.02	BIDMAS Introduction
	ME9.03	BIDMAS Intermediate
	MF19.30	Solving Equations: One Step Modelling (+ –)
	MF19.01	Solving Equations: One Step (+ –)
	MF19.31	Solving Equations: One Step Modelling (× \div)
	MF19.02	Solving Equations: One Step (×)
epra	MF19.03	Solving Equations: One Step (÷)
Alge	MF19.04	Solving Equations: One Step (+ $- \times \div$)
	MF17.01	Forming Algebraic Expressions: One Step
	MF17.02	Forming Algebraic Expressions: Two Step
	MF17.13	Substitution into Expressions 1: One Term
	ME9.04	Substitution into Expressions 2
	ME9.05	Substitution into Expressions 3
	ME9.07	Substituting into a Formula
	ME9.08	Functional: using a Formula

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Strand	Code	Nugget Name
	MF36.01	Reading Scales
	MF36.02	Metric Units
	MD10.01	Estimating with Metric Units
	ME10.01	Converting Metric Length (One-Step)
	ME10.02	Converting Metric Mass (One-Step)
	MF36.10	Converting Metric Capacity
	MF36.22	Conversion Graphs: Units of Measure
	MF39.05	Using Scales on a Map
	ME10.03	Metric and Imperial Length (Calculator)
	ME10.04	Metric and Imperial Mass and Volume (Calculator)
sures	ME10.05	Conversion Graphs: Interpreting
Meas	ME10.06	Finding Scales with Units
	ME10.07	Finding Scales without Units
	ME10.08	Using Scales without Units
	MF39.10	Creating Scale Diagrams
	ME10.09	Finding Speed (SDT)
	ME10.10	Finding Distance (SDT)
	ME10.11	Finding Time (SDT)
	ME10.12	Speed, Distance and Time: Mixed Questions
	ME10.13	Finding Density (DMV)
	ME10.14	Finding Mass (DMV)
	ME10.15	Finding Volume (DMV)

Strand	Code	Nugget Name
	ME10.16	Density, Mass and Volume: Mixed Questions
	MF37.01	Reading a 12-Hour Clock 1: O'Clock and Half Past
	ME10.17	Reading a 12-hour Clock 2
	ME10.18	Reading a 12-hour Clock 3
sures	ME10.19	Converting Time: AM and PM
Mea	ME10.20	Converting Time: Seconds, Minutes and Hours
	MF37.07	Calendar Months
	ME10.21	Converting Time: Days, Weeks and Years
	ME10.22	Converting Time: Mixed Units
	ME10.23	Problems with Time
	MF27.01	Straight Line Angles 1: Multiples of 5°
	MF27.02	Straight Line Angles 2
	MF27.04	Angles Around a Point 1: Multiples of 5°
	MF27.05	Angles Around a Point 2
	MF27.07	Vertically Opposite Angles
v	MF27.08	Alternate Angles
Angle	MF27.09	Corresponding Angles
	MF27.10	Co-interior Angles
	MF28.01	Angles in a Triangle 1
	MF28.02	Angles in a Triangle 2: Isosceles Triangles
	MF28.03	Angles in a Triangle 3: Including Angles on a Straight Line
	MF28.04	Angles in a Triangle 4: Including Angles in Parallel Lines
	MF28.05	Angles in Quadrilaterals

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Strand	Code	Nugget Name
	MF26.01	Key Terms in 2D Geometry
	MF26.06	Naming 2D Shapes
	MF29.02	Reflective Symmetry
	MF26.05	Parallel and Perpendicular Lines
	MF26.02	Key Terms in 3D Geometry
	MF26.10	Naming 3D Shapes
ស្	MF33.02	Nets of Cubes
shape	ME11.01	Nets of Cuboids
1 3D s	MF33.03	Plans and Elevations with Cuboids
D anc	MF33.04	Plans and Elevations
5	ME11.02	Plan Drawings
	MF42.01	Constructing Circles
	ME11.03	Dimensions
	MF23.01	Understanding Coordinates: 1st Quadrant
	MF23.02	Understanding Coordinates: 4 Quadrants
	MF23.26	Coordinates and 2D Shapes
	MF39.06	Introduction to Bearings
	MF30.01	Perimeter by Counting
erimeter	MD12.01	Perimeter of Rectangles
	MF30.02	Perimeter of Regular Shapes 1: Calculate Perimeter
and l	MF30.03	Perimeter of Regular Shapes 2: Calculate Side Length
Area	MF30.04	Perimeter of Composite Shapes 1
	MF30.05	Perimeter of Composite Shapes 2: Worded Context

Strand	Code	Nugget Name
	MF31.01	Area by Counting Squares
	MF31.02	Estimating Area
	MF31.03	Area of Squares, Rectangles and Parallelograms
	MF31.04	Area of Right Angled Triangles
	MF31.05	Area of Triangles
	MF31.07	Area of Trapeziums
	MF31.06	Area of Composite Shapes 1: Adding
ل ه	MF31.08	Area of Composite Shapes 2: Subtracting
rimete	MF32.12	Areas of Composite Shapes with Part Circles
nd Pe	ME12.01	Circumference using the Radius
rea a	ME12.02	Circumference using the Diameter
4	ME12.03	Circumference
	ME12.04	Area of a Circle from Radius
	ME12.05	Area of a Circle from Diameter
	ME12.06	Area of a Circle
	ME12.07	Functional: Perimeter
-	MD15.02	Functional: Area
	ME12.08	Functional: Compound Perimeter
	ME12.09	Functional: Compound Area
Volume and Surface Area	MF34.01	Counting Cubes
	MF34.02	Volume of Cubes and Cuboids
	ME13.01	Volume of Cubes and Cuboids with Missing Side(s)

FE Mathematics Course Mapping FE – Mathematics Functional Skills (Level 2)

Strand	Code	Nugget Name		Stra
Volume and Surface Area	MF34.04	Volume of Prisms 1: Given Area		
	ME13.05	Volume of Cylinders		
	ME13.02	Volume of 3D Solids using a Formula		
	ME13.03	Surface Area of Cuboids		
	ME13.04	Surface Area of 3D Solids		
	MF48.01	Hypotheses, Primary Data and Secondary Data		
	MF48.02	Discrete and Continuous Data		
	MF48.03	Tally Chart	_	
	MF48.07	Grouped Tally Charts: Discrete and Continuous		ł
	MF50.03	Pictograms		line 1
	MF50.04	Bar Charts		
	MF50.05	Multiple and Composite Bar Charts		
Data	MF50.06	Vertical Line Graphs		
Handling D	MF48.04	Questionnaires		
	ME14.01	Types of Random Sampling		
	ME14.02	Fair Samples		
	MF50.12	Time Series Graphs		
	ME14.03	Data Summary Tables		
	ME14.04	Interpreting Data from Tables/Graphs		
	ME14.05	Interpreting Two Way Tables		4
	ME14.06	Completing Two Way Tables	-	
	ME14.07	Distance Tables		à

trand	Code	Nugget Name
Handling Data	ME14.08	Median
	MF49.01	Mode
	MF49.03	Mean 1: Positive Integers
	ME14.09	Mean 2
	MF49.07	Range 1: Positive Integers
	MF49.08	Range 2: Decimals and Negatives
	ME14.10	Applying Averages and the Range 1
	MF49.20	Using Averages and Range
	MF49.21	Using Averages and Range: Comparing Two Data Sets
	MF49.10	Mode from Frequency Table
	MF49.14	Modal Class from Grouped Frequency Table
	ME14.11	Mean from Grouped Frequency Table: Discrete Data
	ME14.13	Interpreting Scatter Graphs 1
	ME14.14	Interpreting Scatter Graphs 2
	ME14.15	Drawing Scatter Graphs
	MF50.10	Creating Pie Charts (Calculator)
	MF50.09	Creating Pie Charts (No Calculator)
	MF50.11	Interpreting Pie Charts
	MF50.18	Interpreting Misleading Data Representations
Probability	MF46.01	Probability Scale in Words
	MF46.02	Probability Scale in Numbers
	MF46.06	Listing Outcomes

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Strand	Code	Nugget Name
	ME15.01	Calculating Probability
	ME15.02	Mutually Exclusive Events
£	ME15.03	Two Way Tables: Probability
obabil	MF46.10	Frequency Trees
P	MF46.11	Interpreting Frequency Trees
	MF46.12	Multiplication Law of Probability (AND)
	ME15.04	Functional: Probability
tise	ME16.03	Surface Area: Exam Practice
e Prac	ME16.04	Circles and Ratio: Exam Practice
n Style	ME16.05	Two Way Tables: Exam Practice
Exar	ME16.06	Missing Angles: Exam Practice



Questions? Email support@century.tech

