

## Year 10 Mathematics - EXTEND Long Term Plan 2024 - 2025

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
		02.09.24	09.09.24	16.09.24	23.09.24	30.09.24	07.10.24	14.10.24	21.10.24	04.11.24	11.11.24	18.11.24	25.11.24	02.12.24
T e r m 1	C u r r i c u l u m C o n t e n t	INSET DAY 1 & 2 Expectati ons lesson Unit 9 Equation s and inequaliti es	Unit 9 Equation s and inequaliti es	Unit 9 Equation s and inequaliti es Bi-weekly Assessm ent	Unit 9 Equation s and inequaliti es	Unit 10 Probabilit y Bi-weekly Assessm ent	Exam Revisio n	End of Term 1 Assessm ent	Unit 10 Probabilit y DIRT	Unit 10 Probabilit y Bi-weekly Assessm ent	Unit 11 Probabilit y	Unit 11 Probabilit y Bi-weekly Assessm ent	Unit 11 Probabilit y Bi-weekly Assessm ent	Unit 11 Probabilit y DC1 Deadline Bi-weekly Assessm ent Marking & Feedback
	R e t r i e v a l	<b>DO NOW</b> Algebraic substitutio n. Identifying terms, expressions , equations and identities, Form and solve one and two step equations & inequalities	<b>DO NOW</b> Draw straight line graphs. Form and solve equations with unknown on both sides	<b>DO NOW</b> Algebraic substitutio n. Identifying terms, expressions , equations and identities, form and solve one and two step equations & inequalities	<b>DO NOW</b> Draw straight line graphs. Form and solve equations with unknown on both sides	<b>DO NOW</b> Add, subtract and multiply fractions. Find probability using equally likely outcomes.	<b>DO NOW</b> Use the property that probability sum to 1. construct and interpret sample spaces for more than one event.	<b>DO NOW</b> Use the property that probability sum to 1. construct and interpret sample spaces for more than one event.	<b>DO NOW</b> Find probability using equally likely outcomes. Use the property that probability sum to 1.	<b>DO NOW</b> Exam practice linked to exam feedback developme nt	<b>DO NOW</b> Compare quantities using a ratio. Link ratios and fractions. Share in a ratio (given total or one part). Link ratios and graphs. Link ratios and scales. Convert and compare FDP.	<b>DO NOW</b> Work out percentage of amounts. Increase and Decrease by a given percentage	<b>DO NOW</b> Express one number as a percentage of another. Find the original value after percentage change. Square and cubed numbers. Powers of ten and standard form. Increase and Decrease by a given percentage	<b>DO NOW</b> Addition and subtraction rules for indices. Convert and compare FDP. Work out percentage of amounts. Increase and Decrease by a given percentage

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	09.12.24	16.12.24	06.01.25	13.01.25	20.01.25	27.01.25	03.02.24	10.02.25	24.02.25	03.03.25	10.03.25	17.03.25	24.03.25	
T e r m 2	C u r r i c u l u m C o n t e n t	Unit 16 Circle Theorem s	Unit 16 Circle Theorem s	Unit 16 Circle Theorem s	Unit 13 Trigonom etry	Unit 13 Trigonom etry	Unit 13 Trigonom etry	End of Term 2 Assessm ent	DIRT	Unit 13 Trigonom etry	Unit 14 Represent ing Data	Unit 14 Represent ing Data	Unit 14 Represent ing Data	Unit 15 Equation s and Graphs
	R e t r i e v a l	<b>DO NOW</b> Recognise and label parts of a circle.  Solve Area and volume problems involving similar shapes.	<b>DO NOW</b> Recognise and label parts of a circle.  Solve Area and volume problems involving similar shapes.	<b>DO NOW</b> Recognise and label parts of a circle.  Solve Area and volume problems involving similar shapes.	<b>DO NOW</b> Recognise and label parts of a circle.	<b>DO NOW</b> Recognise and label parts of a circle.	<b>DO NOW</b> Recognise and label parts of a circle.	<b>DO NOW</b> Exam practice revision	<b>DO NOW</b> Exam practice linked to exam feedback developme nt	<b>DO NOW</b> Recognise and label parts of a circle.	<b>DO NOW</b> Construct and interpret two way tables.  Construct and interpret pie charts.	<b>DO NOW</b> Find and interpret averages from lists and from tables.  Construct and interpret time series graphs.	<b>DO NOW</b> Construct and interpret scatter graphs.  Draw and use line of best fit.	<b>DO NOW</b> Solve simultaneo us equations.  Solve quadratic equations.  Substitutio n
T e r	01.04.25	21.04.25	28.04.25	05.05.25	12.05.25	19.05.25	02.06.25	09.06.25	16.06.25	23.06.25	30.06.25	07.07.25	14.07.25	

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m 3	C u r r i c u l u m C o n t e n t	Unit 15 Equations and Graphs	Unit 15 Equations and Graphs	Unit 12 Similarity and Congruence	Unit 12 Similarity and Congruence	Unit 17 More Algebra	Unit 17 More Algebra	Unit 17 More Algebra	Exam Revision	Year 10 Mock Exams	Year 10 Mock Exams	DIRT	Unit 17 More Algebra DC3 Deadline	Unit 17 More Algebra
				Bi-weekly Assessment Marking & Feedback		Bi-weekly Assessment Marking & Feedback		Exam Revision Bi-weekly Assessment Marking & Feedback		Marking & Feedback	Marking & Feedback	Marking & Feedback		DIRT
	R e t r i e v a l	<b>DO NOW</b> Solve simultaneous equations. Solve quadratic equations. Substitution	<b>DO NOW</b> Solve simultaneous equations. Solve quadratic equations. Substitution	<b>DO NOW</b> Enlarge a shape by positive integer scale factor, and fractional scale factor. Working out missing sides and angles in a pair of similar shapes.	<b>DO NOW</b> Enlarge a shape by positive integer scale factor, and fractional scale factor. Working out missing sides and angles in a pair of similar shapes.	<b>DO NOW</b> Expanding and factorising with single brackets.	<b>DO NOW</b> Solve linear equations.	<b>DO NOW</b> Solve inequalities. Change the subject of formula.	<b>DO NOW</b> Exam practice revision	<b>DO NOW</b> Exam practice revision	<b>DO NOW</b> Exam practice revision	Exam practice linked to exam feedback development	<b>DO NOW</b> Use function machines. Substitution into expressions and formulae.	<b>DO NOW</b> Use function machines. Substitution into expressions and formulae.

All lessons will follow the Co-op Academy Lesson Journey and include a Do Now Task, retrieval based, Lesson Intentions, Success criteria, Explicit Instruction 1, Explicit Instruction 2, Quality Time and a Review.