# Year 10 Mathematics - EXTEND  Long Term Plan 2023 - 2024

Co-op Academy Leeds

| | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4.9.23 | 11.9.23 | 18.9.23 | 25.9.23 | 2.10.23 | 9.10.23 | 16.10.23 | 23.10.23 | 6.11.23 | 13.11.23 | 20.11.23 | 27.11.23 | 4.12.23 |
| Term 1 | Curriculum Content | INSET DAY 1 & 2 Expectations lesson  Unit 9 Equations and inequalities | Unit 9 Equations and inequalities | Unit 9 Equations and inequalities Bi-weekly Assessment Marking & Feedback | Unit 9 Equations and inequalities | Unit 10 Probability Bi-weekly Assessment Marking & Feedback | Unit 10 Probability | Unit 10 Probability Exam Revision Bi-weekly Assessment Marking & Feedback | DC1 Assessment and DIRT | DC1 Deadline Bi-weekly Assessment Marking & Feedback | Unit 11 Probability | Unit 11 Probability | Unit 11 Probability | Unit 11 Probability DC1 Deadline Bi-weekly Assessment Marking & Feedback |

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| Retrieval | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Algebraic substitution. Identifying terms, expressions, equations and identities, Form and solve one and two step equations & inequalities | Draw straight line graphs. Form and solve equations with unknown on both sides | Algebraic substitution. Identifying terms, expressions, equations and identities, form and solve one and two step equations & inequalities | Draw straight line graphs. Form and solve equations with unknown on both sides | Add, subtract and multiply fractions. Find probability using equally likely outcomes. | Use the property that probability sum to 1. construct and interpret sample spaces for more than one event. | Find probability using equally likely outcomes. Use the property that probability sum to 1. | 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. | Work out percentage of amounts. Increase and Decrease by a given percentage. | 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. | Addition and subtraction rules for indices. Convert and compare FDP. Work out percentage of amounts. Increase and Decrease by a given percentage. | Exam practice linked to exam feedback development | Find the original value after percentage change. Square and cubed numbers. Powers of ten and standard form. Addition and subtraction rules for indices. |

| | | 11.12.23 | 18.12.23 | 8.1.24 | 15.1.24 | 22.1.24 | 29.1.24 | 5.2.24 | 19.2.24 | 26.2.24 | 4.3.24 | 11.3.24 | 18.3.24 | 25.3.24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Term 2 | Curriculum Content | Unit 16 Circle Theorems | Unit 16 Circle Theorems | Unit 16 Circle Theorems | Unit 13 Trigonometry<br><br>Bi-weekly Assessment<br>Marking & Feedback | Unit 13 Trigonometry | Unit 13 Trigonometry<br><br>Bi-weekly Assessment<br>Marking & Feedback | Unit 13 Trigonometry | Unit 14 Representing Data<br><br>Bi-weekly Assessment<br>Marking & Feedback | Unit 14 Representing Data<br><br>Exam Revision | End of Term 2 Assessment | DIRT | Unit 14 Representing Data<br><br>DC2 Deadline<br><br>Bi-weekly Assessment<br>Marking & Feedback | Unit 15 Equations and Graphs |

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| Retrieval | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW | DO NOW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Recognise and label parts of a circle. Solve Area and volume problems involving similar shapes. | Recognise and label parts of a circle. Solve Area and volume problems involving similar shapes. | Recognise and label parts of a circle. Solve Area and volume problems involving similar shapes. | Recognise and label parts of a circle. | Recognise and label parts of a circle. | Recognise and label parts of a circle. | Recognise and label parts of a circle. | Construct and interpret two way tables. Construct and interpret pie charts. | Find and interpret averages from lists and from tables. Construct and interpret time series graphs. | Exam practice revision | Exam practice linked to exam feedback development | Construct and interpret scatter graphs. Draw and use line of best fit. | Solve simultaneous equations. Solve quadratic equations. Substitution |
| Curriculum Content | 15.4.24 | 22.4.24 | 29.4.24 | 6.5.24 | 13.5.24 | 20.5.24 | 3.6.24 | 10.6.24 | 17.6.24 | 24.6.24 | 01.07.24 | 8.7.24 | 15.8.24 |
| Term 3 | Unit 15 Equations and Graphs | Unit 15 Equations and Graphs | Unit 12 Similarity and Congruence  Bi-weekly Assessment Marking & Feedback | Unit 12 Similarity and Congruence | Unit 17 More Algebra  Bi-weekly Assessment Marking & Feedback | Unit 17 More Algebra | Unit 17 More Algebra  Exam Revision  Bi-weekly Assessment Marking & Feedback | Exam Revision | Year 10 Mock Exams  Marking & Feedback | Year 10 Mock Exams  Marking & Feedback | Year 10 Mock Exams  Marking & Feedback | Unit 17 More Algebra  DIRT | Unit 17 More Algebra DC3 Deadline |

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| Retrieval | DO NOW Solve simultaneous equations. Solve quadratic equations. Substitution | DO NOW Solve simultaneous equations. Solve quadratic equations. Substitution | DO NOW Enlarge a shape by positive integer scale factor, and fractional scale factor. Working out missing sides and angles in a pair of similar shapes. | DO NOW Enlarge a shape by positive integer scale factor, and fractional scale factor. Working out missing sides and angles in a pair of similar shapes. | DO NOW Expanding and factorising with single brackets. | DO NOW Solve linear equations. | DO NOW Solve inequalities. Change the subject of formula. | DO NOW Exam practice revision | DO NOW Exam practice revision | DO NOW Exam practice revision | DIRT Exam practice linked to exam feedback development | DO NOW Use function machines. Substitution into expressions and formulae. | DO NOW Use function machines. Substitution into expressions and formulae. |
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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.