

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

|                       |                                                                                   | 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                                                                          |
| T<br>e<br>r<br>m<br>1 | C<br>u<br>r<br>r<br>i<br>c<br>u<br>l<br>u<br>m<br>C<br>o<br>n<br>t<br>e<br>n<br>t | INSET<br>DAY 1 &<br>2<br><br>Expectati<br>ons<br>lesson<br><br>Unit 8<br>Area<br>Perimete<br>r and<br>Volume                | Unit 8<br>Area<br>Perimete<br>r and<br>Volume       | Unit 8<br>Area<br>Perimete<br>r and<br>Volume<br><br>Bi-weekly<br>Assessm<br>ent<br><br>Marking | Unit 8<br>Area<br>Perimete<br>r and<br>Volume                          | Unit 9<br>Graphs<br><br>Bi-weekly<br>Assessm<br>ent<br><br>Marking | Unit 9<br>Graphs                                                          | Unit 9<br>Graphs<br><br>Exam<br>Revisio<br>n<br><br>Bi-weekly<br>Assessm<br>ent<br><br>Marking | DC1<br>Assessm<br>ent and<br>DIRT                                                                                                    | Unit 9<br>Graphs<br><br>Bi-weekly<br>Assessm<br>ent<br><br>Marking<br>DC1<br>Deadline | Unit 9<br>Graphs                 | Unit 10<br>Transfor<br>mations                                     | Unit 10<br>Transfor<br>mations                                              | Unit 10<br>Transfor<br>mations<br><br>Bi-weekly<br>Assessm<br>ent<br><br>Marking |
|                       | R<br>e<br>t<br>r<br>i<br>e<br>v<br>a<br>l                                         | <b>DO NOW</b><br>Naming 2D<br>shapes,<br>Multiplicati<br>on,<br>division,<br>calculate<br>missing<br>numbers.<br>Conversion | <b>DO NOW</b><br>Collecting<br>like terms,<br>ratio | <b>DO NOW</b><br>Forming<br>expression,<br>conversion                                           | <b>DO NOW</b><br>Naming 3d<br>shapes,<br>properties<br>of 3D<br>shapes | <b>DO NOW</b><br>Solving<br>equations,<br>Coordinate<br>s          | <b>DO NOW</b><br>Congruent<br>shapes,<br>Identifying<br>parallel<br>lines | <b>DO NOW</b><br>Changing<br>the<br>subject,<br>proportion<br>problems                         | <b>DO NOW</b><br>Revision<br>and exam<br>preparatio<br>n<br><br>Exam<br>practice<br>linked to<br>exam<br>feedback<br>developme<br>nt | <b>DO NOW</b><br>Changing<br>the<br>subject,<br>proportion<br>problem                 | <b>DO NOW</b><br>Coordinate<br>s | <b>DO NOW</b><br>Drawing<br>straight<br>line graphs,<br>coordinate | <b>DO NOW</b><br>scale<br>factor,<br>multiplicati<br>on, missing<br>numbers | <b>DO NOW</b><br>Angles,<br>direction                                            |

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| Term 2 | Curriculum Content | 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                                                                       |
|--------|--------------------|----------------------------------------------|------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|        |                    | Unit 11<br>Ratio and Proportion              | Unit 11<br>Ratio and Proportion                                  | Unit 11<br>Ratio and Proportion                | Unit 11<br>Ratio and Proportion                | Unit 12<br>Pythagoras and Trigonometry                                                | Unit 12<br>Pythagoras and Trigonometry              | Unit 13<br>Probability                                | Unit 13<br>Probability                 | Exam Revision                           | End of Term 2 Assessment                | DIRT                                              | Unit 13<br>Probability                                                        | Unit 13<br>Probability                                                        |
|        |                    |                                              |                                                                  |                                                | Bi-weekly Assessment<br><br>Marking            |                                                                                       | Bi-weekly Assessment<br><br>Marking                 |                                                       | Bi-weekly Assessment<br><br>Marking    |                                         |                                         |                                                   | DC2 Deadline<br><br>Bi-weekly Assessment<br><br>Marking                       |                                                                               |
|        | Retrieval          | DO NOW<br>Fractions of an amount, conversion | DO NOW<br>multiplication, equivalent fractions, equivalent ratio | DO NOW<br>Division, simple proportion problems | DO NOW<br>Division, simple proportion problems | DO NOW<br>Squaring and square rooting numbers, recognising right angle and hypotenuse | DO NOW<br>Naming 2d shapes, properties of 2d shapes | DO NOW<br>Reading two-way tables and frequency tables | DO NOW<br>Fill in simple Venn diagrams | DO NOW<br>Revision and exam preparation | DO NOW<br>Revision and exam preparation | Exam practice linked to exam feedback development | DO NOW<br>Fractions, decimals and percentages, missing numbers adding up to 1 | DO NOW<br>Fractions, decimals and percentages, missing numbers adding up to 1 |

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| T<br>e<br>r<br>m<br>3 | C<br>u<br>r<br>r<br>i<br>c<br>u<br>l<br>u<br>m<br>C<br>o<br>n<br>t<br>e<br>n<br>t | 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                                                       |
|-----------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|
|                       |                                                                                   | Unit 14<br>Multiplicative Reasoning                                 | Unit 14<br>Multiplicative Reasoning            | Unit 15<br>Constructions Loci and Bearings<br><br>Bi-weekly Assessment                                                | Unit 15<br>Constructions Loci and Bearings                                                                            | Unit 15<br>Constructions Loci and Bearings<br><br>Bi-weekly Assessment                                                | Unit 15<br>Constructions Loci and Bearings                                                                            | Unit 16<br>Quadratic Equations and graphs<br><br>Exam Revision<br><br>Bi-weekly Assessment<br>Marking | Exam Revision                           | Year 10 Mock Exams<br><br>Marking       | Year 10 Mock Exams<br><br>Marking       | DIRT<br><br>Marking                     | Unit 16<br>Quadratic Equations and graphs<br><br>DIRT | Unit 16<br>Quadratic Equations and graphs<br><br>DC3 Deadline |
|                       |                                                                                   | DO NOW<br>Percentages of an amount, fractions, decimals percentages | DO NOW<br>Convert from percentages to decimals | DO NOW<br>Identifying 2D shapes. Using a ruler, using a compass. Using scale drawings, parallel lines, Drawing angles | DO NOW<br>Identifying 2D shapes. Using a ruler, using a compass. Using scale drawings, parallel lines, Drawing angles | DO NOW<br>Identifying 2D shapes. Using a ruler, using a compass. Using scale drawings, parallel lines, Drawing angles | DO NOW<br>Identifying 2D shapes. Using a ruler, using a compass. Using scale drawings, parallel lines, Drawing angles | DO NOW<br>Multiply out single brackets, forming expressions                                           | DO NOW<br>Revision and exam preparation | DO NOW<br>Revision and exam preparation | DO NOW<br>Revision and exam preparation | DO NOW<br>Revision and exam preparation | DO NOW<br>Solving equations, Plotting coordinates     | DO NOW<br>Area of 2D shapes, perimeter                        |

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.