# Grade 7 - Math Curriculum Map (Eureka Math)

| Quarter | Modules | Lessons |
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| 1 | **Module 1: Ratios and Proportional Relationships** | **Week 1 - Lesson 1-6**<br>- Understand proportional relationships in graphs and tables |
| | | **Week 2 - Lesson 7-10**<br>- Represent proportional relationships with equations |
| | | **Week 3 - Lesson 11-15**<br>- Apply proportional relationships and unit rates to problems involving fractions |
| | | **Week 4 - Lesson 16-19**<br>- Relate ratios and rates to scale drawings |
| | | **Week 5 - Lesson 20-22 & End of Module Review and Assessment**<br>- Create scale drawings |
| | **Module 2: Rational Numbers** | **Week 6 - Lesson 1-9**<br>- Add and subtract integers and rational numbers |
| | | **Week 7 - Lesson 10-12**<br>- Multiply and divide integers and rational numbers |
| | | **Week 8 - Lesson 13-16 & Mid Module Assessment**<br>- Convert between fractions and decimals<br>- Apply multiplication and division of integers to real world problems |
| 2 | **Module 2: Rational Numbers (cont.)** | **Week 1 - Lesson 17-20**<br>- Represent equations to tape diagrams<br>- Write equivalent expressions |

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| | | **Week 2 - Lesson 21-23 & End of Module Review and Assessment**<br>- Solve equations using algebraic thinking |
| | **Module 3: Expressions and Equations** | **Week 3 - Lesson 1-4**<br>- Write equivalent expressions |
| | | **Week 4 - Lesson 5-9**<br>- Simplify equations<br>- Problem solve with algebraic thinking |
| | | **Week 5 - Lesson 10-15**<br>- Solve algebraic problems involving angles<br>- Understand and solve inequalities |
| | | **Week 6 - Lesson 16-20**<br>- Calculate area and circumference of circles<br>- Calculate area of shapes by breaking down shape |
| | | **Week 7 - Lesson 21-26**<br>- Calculate volume and surface area of 3D shapes |
| | | **Week 8 - End of Module Review and Assessment** |
| **3** | **Module 4: Percent and Proportional Relationships** | **Week 1 - Lesson 1-6**<br>- Extend knowledge of percents related to decimals and fractions<br>- Apply knowledge to real world problems |
| | | **Week 2 - Lesson 7-11**<br>- Apply knowledge of percents to real world problems |
| | | **Week 3 - Lesson 12-15**<br>- Extend knowledge of scale drawings using percents |

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| | | **Week 4 - Lesson 16-18 & End of Module Review and Assessment**<br>- Apply knowledge of percents to real world problems |
| | **Module 5: Statistics and Probability** | **Week 5 - Lesson 1-6**<br>- Calculate probability and conduct chance experiments<br>- Represent results of experiments in tree diagrams |
| | | **Week 6 - Lesson 7-12**<br>- Calculate probabilities of compound events<br>- Estimate probabilities |
| | | **Week 7 - Lesson 13-18**<br>- Understand and conduct population sampling |
| | | **Week 8 - Lesson 19-23 & End of Module Review and Assessment**<br>- Apply population sampling knowledge |
| **4** | **Module 6: Geometry** | **Week 1 - Lesson 1-5**<br>- Determine unknown angles using equations<br>- Determine side lengths and angles using identical triangles |
| | | **Week 2 - Lesson 6-8**<br>- Draw geometric shapes with the proper notation |
| | | **Week 3 - Lesson 9-11**<br>- Understand triangle characteristics as related to side lengths and angles |
| | | **Week 4 - Lesson 12-15 and Mid Module Assessment**<br>- Extend knowledge of triangles<br>- Apply knowledge to real world problems |
| | | **Week 5 - Lesson 16-19**<br>- Visualize and describe the result of slicing solids |

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| | | **Week 6 - Lesson 20-24**<br>- Calculate area and surface area and apply knowledge to real world problems |
| | | **Week 7 - Lesson 25-27**<br>- Calculate volume of right prisms and 3D objects<br>- Solve real world problems involving volume |
| | | **Week 8 - End of Module Review and Assessment** |