**2017-18 Mathematics | Grade 7 | MNPS Year-at-a-Glance**

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|  | **Unit** | **Unit Title** | **Standards** | **Summary of Standard** |
| **Quarter 1** | Unit 1 | Adding and Sub. Rational Numbers | **7.NS.A.1.abcd 7.NS.A.3** | Interpret Negatives for Add/Sub  Solve A/S/M/D Problems |
| Unit 2 | Mult. and Dividing Rational Numbers | **7.NS.A.2abcd 7.NS.A.3** | Interpret Negatives for Mult/Div  Solve A/S/M/D Problems |
| Unit 3 | Equivalent Expressions | **7.EE.A.1 7.EE.A.2** | Add/Sub/Factor/Expand Lin. Express.  Rewriting Expressions |
| **Quarter 2** | Unit 3 | Equivalent Expressions; Multi-Step Equations | **7.EE.A.1 7.EE.A.2 7.EE.B.3** | Add/Sub/Factor/Expand Lin. Express.  Rewriting Expressions  Solve with Pos/Neg and Int/Frac/Dec |
| Unit 4 | Equations and Inequalities | **7.EE.B.4a 7.EE.B.4b 7.EE.B.3a 7.EE.B.3b** | Solve Two-Step Equations  Solve Two-Step Inequalities  Convert Numbers to Diff. Forms  Interpret Reasonableness |
| Unit 5 | Rates (with Fractions) | **7.RP.A.1** | Compare Unit Rates with Fractions |
| Unit 6 | Understanding Proportional Relationships | **7.RP.A.2abcd** **7.RP.A.3** 7.G.A.1 | Interpret Proportional Relationships  Solve Multi-Step Ratio Problems  Interpret Scale Drawings |
| **Quarter 3** | Unit 7 | Probability | 7.SP.C.5 7.SP.C.6 7.SP.C.7 7.SP.D.8 | Interpret Probability and Likelihood  Predict Approximate Frequency  Develop a Probability Model  Describe Sets in Context |
| Unit 8 | Statistics | 7.SP.A.1 7.SP.A.2 7.SP.B.3 7.SP.B.4 | Compare Samples and Populations  Gauge Variation with Mult. Samples  Assess Overlap of Two Distributions  Interpret Center and Variability |
| **Quarter 4** | Unit 9 | Lines, Angles, Polygons | 7.G.A.1 7.G.A.2 7.G.B.4 7.G.B.5 | Interpret Scale Drawings  Draw Figures with Given Conditions  Know Comp/Supp/Vert/Adj Angles  Find Area/Volume of 2D/3D Figures |
| Unit 10 | Circles | 7.G.B.3 | Determine Area and Circumference |
| Unit 11 | 3D Geometry | 7.G.B.5 | Find Area/Volume of 2D/3D Figures |