**High School Math Course Name \_\_\_\_Math II\_\_\_\_\_\_\_\_   
Standards Division Document 2017-2018 (no changes from 2016-2017)**

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| **WEEKS 1 - 6** | | **WEEKS 7-12** | | **WEEKS 13 - 18** | |
| Standards | **Basic Geometry/Transformations** | Standards | **Probability** | Standards | **Additional Functions** |
| List Standards  G.CO.2, 3, 4, 5, 6, 9,    G.SRT.1A, 1B, 1C, 1D,  F.IF.1, 2 | Review Basic Geometry (pts/line/planes/distance/midpoint)  Angles/parallel lines  Angle Measures & Angle Relationships  Represent Translations, Rotations, Dilations, & multiple transformations in the plane | List Standards  S.IC.2  S.CP.1, 3A, 3B, 4, 5, 6, 7, 8 | Vocabulary, Basic Probability, Notation, & Venn Diagrams  Probability Rules & Independence  Two-Way Tables & Conditional Probabilities  Independence & Conditional Probabilities  Modeling Probabilities | List Standards  N.RN.1, 2  A.REI.1, 2  F.BF.1, 3  F.IF.4, 7  A.SSE.1A, AB | Radicals & Radical Expressions  Solving Radical & Rational Equations  Inverse Variation  Key Features of Graphs  Interpreting/Analyzing the Structure of Equations |
| Standards | **Triangle Congruence & Similarity** | Standards | **Algebra Essentials** | Standards | **Non-Linear Systems** |
| List Standards  G.CO.6, 7, 8, 10,  G.SRT.2, 3, 4, 6 | Classifying Triangles  Congruent Triangles/Proving Triangles Congruence  Similar Triangles/Proving Similar Triangles  Triangle Proofs/Postulates | List Standards  N.RN. 2, 3  N.CN.1  A.APR.1  F.IF.1, 4 | Linear Equations & Inequalities  Exponent Rules/Polynomial Operations  Function Notation (used w/ polynomial oper)  Domain/Range  Complex Numbers | List Standards  A.CED.1, 2, 3  A. REI.7, 11  F.IF. 9 | Review Linear Systems & Modeling with Linear Systems  Solving Non-Linear & Mixed Systems of Equations (include quadratic, square root and inverse variation)  Modeling Systems of Equations & Inequalities (compare key features)  **\*EXAM REVIEW** |
| Standards | **Right Triangles** | Standards | **Quadratics** |
| List Standards  G.SRT.6, 8, 12 | Review Pythagorean Theorem  Special Right Triangles/Combinations of both  Right Triangle Trig & Applications  Mixed Right Triangles | List Standards  F.IF. 4, 7, 8, 9  F.BF.1, 3  A.REI.1, 4A, 4B  A.SSE.1A, 1B, 3  A.APR.1  N.CN.1  N.RN.3 | Solving Quadratics with graphs, tables, equations & quadratic formula (include complex solutions)  Comparing the key features of Quadratics in different forms  Modeling Real World Situations with Quadratics |
| Domain & Range should be discussed with the Quadratics/Additional Functions & Non-Linear Systems units after it is reviewed in the Algebra Essentials Unit. | | | | | |

\*For the Math 1 standards & unpacking documents: <http://maccss.ncdpi.wikispaces.net/HS+Standards>