**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 StandardsG.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 linesAngle Measures & Angle RelationshipsRepresent Translations, Rotations, Dilations, & multiple transformations in the plane | List StandardsS.IC.2S.CP.1, 3A, 3B, 4, 5, 6, 7, 8 | Vocabulary, Basic Probability, Notation, & Venn DiagramsProbability Rules & IndependenceTwo-Way Tables & Conditional ProbabilitiesIndependence & Conditional ProbabilitiesModeling Probabilities | List StandardsN.RN.1, 2A.REI.1, 2F.BF.1, 3F.IF.4, 7A.SSE.1A, AB | Radicals & Radical ExpressionsSolving Radical & Rational EquationsInverse VariationKey Features of GraphsInterpreting/Analyzing the Structure of Equations |
| Standards | **Triangle Congruence & Similarity** | Standards | **Algebra Essentials** | Standards | **Non-Linear Systems** |
| List StandardsG.CO.6, 7, 8, 10,G.SRT.2, 3, 4, 6 | Classifying TrianglesCongruent Triangles/Proving Triangles CongruenceSimilar Triangles/Proving Similar TrianglesTriangle Proofs/Postulates | List StandardsN.RN. 2, 3N.CN.1A.APR.1F.IF.1, 4 | Linear Equations & InequalitiesExponent Rules/Polynomial OperationsFunction Notation (used w/ polynomial oper)Domain/RangeComplex Numbers | List StandardsA.CED.1, 2, 3A. REI.7, 11F.IF. 9 | Review Linear Systems & Modeling with Linear SystemsSolving 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 StandardsG.SRT.6, 8, 12 | Review Pythagorean TheoremSpecial Right Triangles/Combinations of bothRight Triangle Trig & ApplicationsMixed Right Triangles | List StandardsF.IF. 4, 7, 8, 9F.BF.1, 3A.REI.1, 4A, 4BA.SSE.1A, 1B, 3A.APR.1N.CN.1N.RN.3 | Solving Quadratics with graphs, tables, equations & quadratic formula (include complex solutions)Comparing the key features of Quadratics in different formsModeling 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](http://maccss.ncdpi.wikispaces.net/HS%2BStandards)