

Paradigm Math 2 Correlation to Utah Core Standards

Concept Name	Utah Core Standards
Basic Operations	
Decimals, Fractions, Integers, Order of Operations, Least Common Multiple, Greatest Common Factor, Scientific Notation, Mean, Median, Mode, Average	II.1.N.RN.3
Proportion & Probability	
Probability	II.4.S.CP.2 II.4.S.CP.3 II.4.S.CP.4 II.4.S.CP.5 II.4.S.MD.1 II.4.S.MD.2 II.4.S.CP.6 II.4.S.CP.7 II.4.S.CP.8 II.4.S.CP.9
Ratio & Proportion	II.5.G.SRT.6 II.5.G.SRT.8
Rate	II.2.IF.9 II.2.IF.6 II.3.A.CED.4
Variable Manipulation	
Exponents & Square Roots	II.2.N.RN.1 II.2.N.RN.2 II.1.N.RN.3 II.3.N.CN.7 II.3.A.SSE.3
Inequalities and Absolute Value	II.3.A.CED.1
Complex Numbers	II.1.N.CN.1 II.1.N.CN.2 II.3.N.CN.7 II.3.N.CN.9
Data Collection, Representation & Interpretation (Union, Intersection, Complement)	II.2.IF.4 II.4.S.CP.1 II.4.S.CP.4 II.4.S.MD.2 II.4.S.CP.6
Polynomials	II.2.A.ARP.1 II.3.A.CED.2
Algebraic Operations in Contextual Situations	II.3.A.CDE.1 II.3.A.CED.2
Substitution in Algebraic Expressions	II.3.A.CDE.1 II.3.A.CED.2

Systems of Equations	II.2.F.BF.1 II.3.A.CED.2
Exponential Equations	II.2.IF.8 II.2.F.BF.1 II.3.A.SSE.3
Quadratic Equations	II.2.IF.7 II.2.F.BF.1 II.3.A.REI.4 II.3.A.SSE.3
Quadratic Equations with Factoring	II.2.IF.8 II.3.A.SSE.2 II.3.A.REI.4 II.3.N.CN.8
Plane Geometry	
Angles	II.5.G.CO.9 II.5.G.CO.10 II.5.G.SRT.4 II.5.G.SRT.5
Parallel & Perpendicular Lines, Distance Formula, Midpoints,	II.2.IF.9 II.5.S.CO.9 II.5.G.SRT.4
Translations, Rotations, Dilations	II.2.F.BF.3 II.5.G.SRT.1 II.5.G.SRT.2
Perimeter	II.5.G.SRT.4 II.5.G.SRT.5 II.5.G.SRT.1
Circumference	II.5.G.GMD.1
Area	II.3.A.SSE.1
Volume (Cylinder, Pyramid, Cone, Sphere)	II.6.G.GMD.1 II.6.G.GMD.3
Triangles— Pythagorean Theorem, Inscribed, Congruent, Sine, Cosine, Tangent	II.5.S.SRT.6 II.5.S.SRT.7 II.5.S.SRT.8 II.5.TF.6 II.5.G.CO.10 II.5.G.SRT.4 II.5.G.SRT.5 II.5.G.SRT.3 II.6.G.C.2 II.6.G.C.3 II.6.G.C.4 II.6.G.GPE.4
Circles—Inscribed, Tangents, Area, Circumference, Arc Length	II.6.G.GMD.1 II.6.G.C.5 II.6.G.GPE.1 II.6.G.C.1 II.6.G.C.2

	II.6.G.C.3 II.6.G.GPE.4
Parallelograms, Trapezoids & Other Planar Shapes	II.5.G.CO.11 II.6.G.GPE.4
Coordinate Geometry	
Functions—Notation, Domain & Range, Inverse	II.2.F.BF.4 II.2.F.LE.3 II.2.F.IF.5 II.3.A.CED.1
Graphs—Linear, Exponential and Quadratic (from graphs, algebraic notation, tables & descriptions)	II.2.F.BF.3 II.2.F.LE.3 II.3.A.CED.2
Graphs—Intercepts, Slope, Area	II.2.IF.9 II.2.IF.4
Graphs—Midpoints, Distance, Parallel & Perpendicular	II.2.IF.9 II.5.G.SRT.4 II.5.G.GPE.6
Graphs—Interpretation, Rate of Change,	II.2.IF.9 II.2.IF.4 II.2.IF.6
Graphs—Circles and Curves	II.3.A.REI.7 II.5.G.GMD.1 II.6.G.C.5 II.6.G.GPE.1 II.6.G.C.1
Graphs-Parabolas	II.3.A.REI.7 II.6.G.GPE.2
Graphing Inequalities	II.3.A.CED.1
Slope	II.2.IF.4