

Example of COMPACTING STANDARDS BEGINNING IN 6TH GRADE

(This course is for students entering 6th grade having demonstrated a need and/or readiness for advanced content.)

6 th Grade PLUS	7 th Grade PLUS	NC Math 1(8 th Grade)
All 6 th Grade Math Standards PLUS some 7th grade Math Standards	Remaining 7 th Grade Math Standards PLUS some 8th grade Math Standards	All NC Math 1 Standards PLUS remaining 8th grade Math Standards
Reasoning with Area and Surface Area NC.6.G.1 and NC.6.G.4 <i>PLUS</i> NC.7.G.6 (area and surface area only)	Proportional Reasoning NC.7.RP.3, NC.7.G.1 *(NC.7.RP.1, NC.7.RP.2) <i>PLUS</i> NC.8.G.2, NC.8.G.3, NC.8.G.4	** Reasoning with Rational/Irrational numbers and the Pythagorean Theorem *(NC.8.NS.1, NC.8.NS.2) <i>PLUS</i> NC.8.EE.2, NC.8.G.6, NC.8.G.7, NC.8.G.8
Reasoning with Factors and Multiples NC.6.NS.4 NO ADDITIONAL STANDARDS	Reasoning with Rational Numbers NC.7.NS.3 <i>PLUS</i> NC.8.NS.1, NC.8.NS.2	Equations and Introductions to Functions NC.M1.A-SSE.1a, NC.M1.A-REI.3, NC.M1.A-REI.1, NC.M1.A-REI.12, NC.M1.A-CED.1, NC.M1.A-CED.4 NC.M1.F-IF.1, NC.M1.F-IF.2, NC.M1.F-IF.4, NC.M1.F-IF.6 *(NC.8.G.9) <i>PLUS</i> NC.8.F.1, NC.8.F.5
Ratio Reasoning NC.6.RP.1, NC.6.RP.2, NC.6.RP.3, NC.6.RP.4 <i>PLUS</i> : NC.7.RP.1, NC.7.RP.2	Probabilistic Reasoning NC.7.SP.5, NC.7.SP.6, NC.7.SP.7, NC.7.SP.8 NO ADDITIONAL STANDARDS	Linear Functions NC.M1.A-SSE.1(a & b), NC.M1.A-CED.1, NC.M1.A-REI.12, NC.M1.A-CED.2, NC.M1.F-BF.1a, NC.M1.A-REI.10, NC.M1.A-REI.11, NC.M1.G-GPE.5, NC.M1.F-IF.3, NC.M1.F-BF.2, NC.M1.A-REI.1, NC.M1.F-LE.5, NC.M1.F-IF.5, NC.M1.F-ID.9, NC.M1.F-IF.7, NC.M1.F-IF.9, NC.M1.F-ID.6(a & b), NC.M1.F-ID. <i>PLUS</i> NC.8.F.2, NC.8.F.3, NC.8.F.4

<p>Fractions and Decimals NC.6.NS.1, NC.6.NS.2, NC.6.NS.3 PLUS NC.8.NS.1 <i>Introduce Rational number vocabulary only</i>, NC.7.NS.2c only positives</p>	<p>Reasoning about Expressions * (NC.7.EE.1, NC.7.EE.2) NO ADDITIONAL STANDARDS</p>	<p>Introduction to Exponential Functions NC.M1.N-RN.2, NC.M1.F-IF.3, NC.M1.F-BF.2, NC.M1.F-IF.2, NC.M1.F-IF.4, NC.M1.A-CED, NC.M1.A-CED.2, NC.M1.A-REI.10, NC.M1.F-LE.5, NC.M1.F-IF.6, NC.M1.F-LE.1, NC.M1.F-IF.5, NC.M1.F-IF.7, NC.M1.F-IF.8b, NC.M1.F-LE.3, NC.M1.A-SSE.1a, NC.M1.F-IF.9, NC.M1.A-REI.11, NC.M1.F-BF.1(a & b), NC.M1.F-ID.6c PLUS NC.8.EE.1, NC.8.EE.3, NC.8.EE.4 (this cluster of standards can float)</p>
<p>Integers NC.6.NS.5, NC.6.NS.6, NC.6.NS.7, NC.6.NS.9 PLUS NC.7.NS.1, NC.7.NS.2</p>	<p>Reasoning about Equations and Inequalities NC.7.EE.3, NC.7.G.2, NC.7.G.5 *(NC.7.EE.1, NC.7.EE.2 and NC.7.EE.4) PLUS NC.8.EE.7</p>	<p>Introduction to Quadratic Functions & Equations NC.M1.A-APR.1, NC.M1.A-SSE.1(a & b), NC.M1.F-IF.7, NC.M1.F-IF.9, NC.M1.F-LE.3, NC.M1.F-IF.6, NC.M1.F-IF.8a, NC.M1.A-REI.10, NC.M1.F-IF.2, NC.M1.A-CED.2, NC.M1.A-CED.1 NC.M1.A-SSE.3, NC.M1.A-REI.4, NC.M1.A-APR.3, NC.M1.A-REI.1, NC.M1.A-REI.11, NC.M1.A-APR.1, NC.M1.A-SSE.1b, NC.M1.F-BF.1b, NC.M1.F-IF.5, NC.M1.A-REI.11, NC.M1.F-IF.7, NC.M1.F-ID.8 NO ADDITIONAL STANDARDS</p>
<p>Coordinate Plane NC.6.NS.6, NC.6.NS.8, NC.6.G.3 NO ADDITIONAL STANDARDS</p>	<p>Geometric and Measurement Reasoning NC.7.G.4 (* NC.7.G.6) PLUS NC.8.G.5</p>	<p>System of Equations and Inequalities NC.M1.A-CED.3, NC.M1.A-REI.5, NC.M1.A-REI.6, NC.M1.A-REI.11, NC.M1.A-REI.10 PLUS NC.8.EE.8</p>
<p>Algebraic Expressions NC.6.EE.1, NC.6.EE.2, NC.6.EE.3, NC.6.EE.4, NC.6.EE.6 PLUS NC.7.EE.1, NC.7.EE.2</p>	<p>**Area and Volume *(NC.7.G.6) PLUS NC.8.G.9</p>	<p>Descriptive Statistics NC.M1.F-ID.1, NC.M1.F-ID.2, NC.M1.F-ID.3 PLUS NC.8.SP.1, NC.8.SP.2, NC.8.SP.3, NC.8.SP.4 (this standard can be taught as a stand alone standard)</p>

<p>Algebraic Equations NC.6.EE.5, NC.6.EE.7, NC.6.EE.8, NC.6.EE.9 PLUS NC.7.EE.4</p>	<p>Statistical Reasoning NC.7.SP.1, NC.7.SP.2, NC.7.SP.4 *(NC.7.SP.3) NO ADDITIONAL STANDARDS</p>	
<p>Volume NC.6.G.2 PLUS NC.7.G.6</p>	<p>**Exponents and Scientific Notation NC.8.EE.1, NC.8.EE.3, NC.8.EE.4 (this cluster of standards can float)</p>	
<p>Statistical Reasoning NC.6.SP.1, NC.6.SP.2, NC.6.SP.3, NC.6.SP.4, NC.6.SP.5 PLUS NC.7.SP.3</p>		

* Standards taught in previous advanced course and missed by students not enrolled in that course.

** Cluster added to this grade level/course