

Essential Standards & Pacing Guide Math 7th Grade

K-6 Teachers: As you are developing this document, please refer to Michele’s “Hinge Standards”. Also, please work to find the activities within the Units that target the Essential Standards. Thank you very much for your hard work! *You will be helping teachers across the district!

	Essential Standards	Unit/Activities	Problems and Assessment
Week 1	7.NS.A.1 a & b	-Procedures, Routines, and Technology(PBIS) -Review with Integers(Counters and Number Lines) -Absolute Value	Mini Quiz(Go Formative) on Integers, Absolute Value, and using number lines and making 0. CW: HW: IXL:
Week 2	7.NS.A.1 b & d	-Adding Integers, Number lines, Counters *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 3	7.NS.A.1 c & d	-Subtracting Integers, Number lines, Counters *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW:

			IXL:
Week 4	7.NS.A.2a,b, c	-Multiplying and Dividing Integers *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 5	7.NS.A.1d 7.NS.A.2c	-Fractions-addition and subtraction -Like and unlike denominators -Negative Integers -Mixed Numbers *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 6	7.NS.A.2c	Fractions-multiplying and dividing -Mixed numbers -Negative Integers *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 7	7.NS.A.1d	-Decimals-addition and subtraction -Including Negatives *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 8	7.NS.A.2a&b	-Decimals-multiplication and division -Including Negatives *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:

Week 9	7.NS.A.2d 7.EE.B3	-Converting Fractions, Percents and Decimals(Portion Webs) *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 10	7.EE.A.1 7.EE.B 7.NS.A.1d	-Equivalent Expressions (Order of Operations) -Negative Numbers(adding, subtracting, multiplying and dividing) *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 11	7.EE.A.1	-Introducing Variables and Combining Like Terms with Algebra Tiles including negatives(2 day) -Stacking -Paper/pencil and Tiles *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 12	7.EE.A1	-Evaluating Expressions(1 day) -Distributive Property including negatives (1 day) -With Tiles *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 13	7.EE.B4a	-Solving Equations single step with Checks-Paper, Pencil and Tiles -Adding and subtracting(1 Day)	Mini Quiz-10 min in class CW:

		-Multiplying and Dividing(1 Day) *Include $x=0$ *Notes in Comp Book with examples/Hands on practice	HW: IXL:
Week 14	7.EE.B4a	-Solving Equations 2 Step with Checks-Paper, Pencil and Tiles -Undo Multiplication(1 day) -Undo Division (1 day) *Include $x=0$ *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 15	7.EE.B4a	Solving Equations-Multi-step(Combining like terms and distributive property) *Include $x=0$ *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 16	7.EE.B4a	Solving Equations-Multi-step(Variables on both sides) *Include $x=0$ *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:
Week 17	7.EE.B.4a 7.EE.B.3	Solving Equations-Multi-step(Variables on both sides) -Special cases-All real numbers and no solutions/Fraction Busters -include $x= 0$ *Notes in Comp Book with examples/Hands on practice	Mini Quiz-10 min in class CW: HW: IXL:

Week 18	7.EE.B4a	<p>Word Problems with Equations-5 D Process(2 Days)</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 19	7.EE.B.4b	<p>-Graphing and solving Inequalities and Checking Solutions -Ch. 6,6.1.4 -Briefly explain reversing signs</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 20	7.RP.A 7.RP.A.2	<p>Day 1: -Ratios and Proportions -identifying equivalent ratios -Comparing Fractions and Testing for Equivalence Day 2: Solving Proportions (with variables) -Unit Rates (refer to it as the Constant of Proportionality)</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 21	7.RP.A 7.RP.A.2b&c	<p>Proportional Relationships - Frayer Model "Web" piece by piece -Tables and Graphs-(Day 1) -Equations and Situations/Word Problems (Day 2) - Students create web</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>

Week 22	7.RP.A.3	<p>Percent Proportions and solving basic percent problems(Day 1) Percent Proportions(Day 2) Percent of Change</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 23	7.RP.A.3 7.EE.A.2	<p>Percent Proportions with tax, discount, tips and more</p> <ul style="list-style-type: none"> Expose formula regarding simple interest <p>Day 1-Find percent-add or subtract Day 2-Find alternate percent (5% markup = multiply by 1.05%)</p> <p>*See Standard* 7EE.A.2</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 24	7.GA.1&2	<p>Similar Figures-Proportions/Geometric Figures</p> <ul style="list-style-type: none"> -Graph paper(draw shapes with different scales) -Teach what similar figures means -Copy divide by original <p>Day 2-Show shapes and figure out if they are proportional -Find missing side lengths, and scale factor</p> <p>-</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 25	7.G.B.4	<p>Area and Perimeter-trapezoid, triangle, parallelogram, rectangle and square (Day 1)</p> <p>Area and Circumference of circles(Day 2)</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>

Week 26	7.G.B.6	<p>Surface Area(Day 1) -Rectangular and triangular Prisms Volume (Day 2) -Rectangular and triangular Prisms</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 27	7.SP.C.5 7.SP.C.6	<p>Probability-Simple Events Day 1-Intro to probability/Real life scenarios/Vocab Heads vs Tails-Experimental vs Theoretical Day 2-What part is missing?</p> <p>1.2.7 and 1.2.8 *Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 28	7.SP. C.8b	<p>Compound Probability Events- Day 1:Tables and trees Day 2: How to figure this out mathematically(Multiplication)</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 29		<p>Sampling from Populations-Ch 8</p> <p>*Notes in Comp Book with examples/Hands on practice</p>	<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>
Week 30			<p>Mini Quiz-10 min in class</p> <p>CW: HW: IXL:</p>

Week 31			Mini Quiz-10 min in class CW: HW: IXL:
Week 32			Mini Quiz-10 min in class CW: HW: IXL:
Week 33			Mini Quiz-10 min in class CW: HW: IXL:
Week 34			Mini Quiz-10 min in class CW: HW: IXL:
Week 35			Mini Quiz-10 min in class CW: HW: IXL:
Week 36			Mini Quiz-10 min in class CW:

			HW: IXL:
Week 37			Mini Quiz-10 min in class CW: HW: IXL:
Week 38			Mini Quiz-10 min in class CW: HW: IXL: