

Unit Topic: **Pre-Algebra** Chapter 7 Solving Equations and Inequalities (7th Grade) Franklin-Simpson Middle School Date: January 5 – January 27

D A Y I N U N I T	*Content Strand *Learning Target -I Can *Essential Questions -WHY?? -How do you know? Curriculum document Common Core	Vocabulary/ Vocab Activity Activities Activities II	Thoughtful Ed./ Student Engagement www.marshall.kyschools.us/ www.muhenberg.kyschools.us/?q=node/61 Engagement Cube Cube II (examples)	Literacy/Reading in the Content Literacy Ideas	Formative/ Summative Assessment F –Formative S-Summative www.act.org/standard/guides/explore/ Strategies More Ideas	Differentiation T-Task S-Special Needs G-Gifted/Accel. http://serge.ccsso.org/Ideas 9 Types Big Explanation Tool	Technology 50 Ideas
1	PRETEST						
2	7.EE 7.1 Students will use drawings to represent daily life situations. Students will develop methods to represent daily life situations mathematically.	Vocabulary Notebook Equation	Student Engagement: Learning with others (small group discussion) Authenticity- real life activities Nonlinguistic representation: drawing pictures to represent situations with equations Novelty and variety: practice online using MATHia	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Problem 1, questions 2-4 in section 7.1 F: Quiz	Task: use MATHia to excel onto next concept	Interwrite PowerPoint Document Camera Student Computers
3	7.EE 7.2 Students will develop an understanding of equality. Students will use properties of equality to solve equations.	Properties of Equality Addition Property Subtraction Property Multiplication Property	Student Engagement: Learning with others (small group discussion) Authenticity- manipulatives (algebra tiles)	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	F: Problem 1 and 2 in section 7.2, finish section as homework F: Quiz	T: use MATHia to excel onto next concept	Interwrite PowerPoint Document Camera Student Computers

	Students will solve one-step equations.	Division Property	Novelty and variety: practice online using MATHia				
4	LAB DAY- MATHia						Mac Lab
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5	<p>7.EE</p> <p>7.3</p> <p>Students will write two-step equations.</p> <p>Students will solve two-step equations.</p> <p>Students will check solutions algebraically.</p> <p>Students will verify solutions within a problem context.</p>	Vocabulary Notebook Two-step equation	<p>Student Engagement: Learning with others (small group discussion)</p> <p>Authenticity- real life activities</p> <p>Novelty and variety: practice online using MATHia</p>	Problems within each section require students to explain their work using sentences All problems are real-world scenarios	<p>F: Problem 1 and 2 in section 7.3, finish section as homework</p> <p>F: Quiz</p>	T: use MATHia to excel onto next concept	Interwrite PowerPoint Document Camera Student Computers

6	<p>7.EE Students will be able to use the distributive property</p>	<p>Vocabulary Notebook Distributive Property</p>			<p>F: Students will work some example problems from PowerPoint</p>		<p>Interwrite PowerPoint</p>
7	<p>7.EE 7.4 Students will write two-step equations. Students will solve two-step equations. Students will verify solutions within a problem context.</p>	<p>N/A</p>	<p>Student Engagement: Learning with others (Small group discussion) Novelty and variety: practice online using MATHia</p>	<p>Problems within each section require students to explain their work using sentences All problems are real-world scenarios</p>	<p>F: Problem 1 and 2 in section 7.4</p>	<p>T: use MATHia to excel onto next concept</p>	<p>Interwrite PowerPoint Document Camera Student Computers</p>
8	<p>7.EE 7.5 Students will write simple inequalities. Students will graph one-variable inequalities. Students will solve one-variable inequalities.</p>	<p>Vocabulary Notebook Solve an inequality</p>	<p>Student Engagement: Learning with others (small group discussion) Personal Response- Comparing two different methods of solving an equality Novelty and variety: practice online using MATHia</p>	<p>Problems within each section require students to explain their work using sentences All problems are real-world scenarios</p>	<p>F: Problems 1 and 2 in section 7.5, complete section as homework</p>	<p>T: use MATHia to excel onto next concept</p>	<p>Interwrite PowerPoint Document Camera Student Computers</p>

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9	REVIEW					<p>Study Guide</p> <p>Timed Multiple Choice quiz to practice for KCCT</p>	
1 0	TEST					<p>Test</p> <p>Open Response</p>	
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