Unit Topic: Geometry—Transformations and Congruency

## Franklin-Simpson Middle School

Date: March 5-March 30\_

D	*Content Strand	Vocabulary/	Thoughtful Ed./	Literacy/Reading in the	Formative/	Differentiation	Technology
Α	*Learning Target	Vocab Activity	Student Engagement	Content	Summative	T-Task	50 Ideas
Υ	-I Can	Activities	www.marshall.kyschools.us/	Literacy Ideas	Assessment	S-Special Needs	
1	*Essential Questions	Activities II	www.muhlenberg.kyschools.us		F –Formative	G-Gifted/Accel.	
N	-WHY??		/?q=node/61		S-Summative	http://serge.ccsso.org/	
U	-How do you know?		Engagement Cube		www.act.org/standard/guides/	<u>Ideas</u>	
N	Curriculum document		Cube II (examples)		explore/	9 Types	
I T	Common Core				Strategies	Big Explanation Tool	
					More Ideas		
	I CAN translate geometric figures horizontally	Foldable for vocabulary—	Novelty and Variety:	"Sliding: Right, Left, Up,	Exit Slip showing knowledge of		Elmo
	and vertically.	provide pictures,	Human Translations—use	Down, and Diagonally" in	translations.		
<b>H</b>	I CAN explain that 2 2D figures are congruent if	definition, real life	students in figures to show	Text			
	the second figure has been translated.	examples.	translations are just sliding the				
March 5		Transformation	same figure				
larc	8.G.1a, 2, 3	Translation					
≥		Image					
		Pre-Image					
		Congruence					
	I CAN translate linear functions horizontally and	Parallel	Learning With Others—	"Sliding Lines:	Practice and Discussion in class		Elmo
7	vertically.		working in groups where	Translations of Linear			
9			students will work on specific	Functions" in text			
March 6	8.G.1a		problems then put all their				
/ar			work together to complete the				
			problem.				
	LCAN and a second in figure and the	Data!'a	T	((D   D   ) ) ) .	D. Frank hands		El
	I CAN rotate geometric figures on the	Rotation	Transparencies to show	"Round and Round We	Dry Erase boards		Elmo
3	Coordinate Plane.	Angle of Rotation  Point of Rotation	rotations on dry erase boards	Go: Rotations of Geometric Figures on the			
_		Point of Rotation		Coordinate Plane" in text			
r <sub>c</sub>				Coordinate Plane III text			
March 7							
	MATHia					Differentiated work on	Computers
4	-					computers	- P
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rch							
March 8							
L							
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A Y	*Learning Target	Vocab Activity	Student Engagement	Content	Summative	T-Task	50 Ideas
'	-l Can	<u>Activities</u>	www.marshall.kyschools.us/	<u>Literacy Ideas</u>	Assessment	S-Special Needs	
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N	Curriculum document		Cube II (examples)		explore/	9 Types	
T	<u>Common Core</u>				<u>Strategies</u>	Big Explanation Tool	
					More Ideas		

	Practice Problems for Translating and Rotating				Practice Worksheet	Student Choice:	Elmo
2	Figures				Cell Phone—explain how to do	Students will chose	
-					the work to a student who was	which work they want to	
March 12					absent.	complete based on self-	
L L						assessmentHigh or On-	
Αa						Level worksheet	
_						zevel worksheet	
9	I CAN reflect geometric figures over the axes	Reflection	Create 4-leaf clovers,		Worksheet		Elmo
"	and line on a Coordinate Plane.	Reflection Line	snowflakes and Christmas				
			trees				
March 13	8.G.1, 2, 3						
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٧a							
7	QUIZ				QUIZ		
14							
March 14							
lar							
2							
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Α	*Content Strand *Learning Target	Vocabulary/ Vocab Activity	Thoughtful Ed./ Student Engagement	Literacy/Reading in the Content	Formative/ Summative	Differentiation T-Task	Technology 50 Ideas
			Student Engagement www.marshall.kyschools.us/		•	T-Task S-Special Needs	
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A Y	*Learning Target -I Can	Vocab Activity Activities	Student Engagement	Content	Summative Assessment	T-Task S-Special Needs	
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	I CAN translate triangles on a Coordinate Plane.		Personal Response—	"Slide, Flip, Turn!" in text	Worksheet		Elmo
10	I CAN rotate triangles on a Coordinate Plane. I CAN reflect triangles on a Coordinate Plane.		Create triangles for others to rotate, reflect, and translate				
19	T CAN Tellect thangles on a coordinate Flane.		on a Coordinate Plane.				
March 19	8.G.3						
>							
	I CAN identify corresponding and angles on	Congruent line segments		"All the Same to You" in	Practice Problems		Elmo
11	triangles. I CAN explain the relationship between	Congruent angles Corresponding sides		text			
	corresponding angles and sides on congruent	Corresponding sides					
20 ר	triangles. I CAN write statements of triangle congruence.	Pythagorean Theorem					
March 20	I CAN identify and use transformations to						
2	create new images.						
	8.G.1, 2, 3 8						
12	Practice Problems		Novelty and Variety—		Charades and Worksheet		Elmo
			Vocabulary Charades—act out vocabulary words in				PowerPoint
March 21			groups for the rest of the class.				
Mar							
13	MATHia					Differentiated work on computers	Computers
						,	
						·	
March 22						·	
March 22	I CAN compare SSS and SAS.	SSS		"Two Ways to Tell" in	Group Work		Elmo
14 March 22	I CAN use theorems to identify congruent	SAS		"Two Ways to Tell" in text	Group Work	·	Elmo
14 March 22	I CAN use theorems to identify congruent triangles.			•	Group Work		Elmo
14 March 22	I CAN use theorems to identify congruent	SAS Congruence Theorem		•	Group Work		Elmo
March 22	I CAN use theorems to identify congruent triangles.  8.G.1, 2	SAS Congruence Theorem Included angles		text	Group Work		Elmo
March 23 14 March 22	I CAN use theorems to identify congruent triangles.  8.G.1, 2  I CAN use ASA and AAS Congruence to prove	SAS Congruence Theorem Included angles  AAS		"And Here's Two More!"	Practice Problems		Elmo
15 March 23 14 March 22	I CAN use theorems to identify congruent triangles.  8.G.1, 2	SAS Congruence Theorem Included angles		text			
15 March 23 14 March 22	I CAN use theorems to identify congruent triangles.  8.G.1, 2  I CAN use ASA and AAS Congruence to prove	SAS Congruence Theorem Included angles  AAS		"And Here's Two More!"	Practice Problems Exit Slip—prove two triangles		
March 23 14 March 22	I CAN use theorems to identify congruent triangles.  8.G.1, 2  I CAN use ASA and AAS Congruence to prove triangles are congruent.	SAS Congruence Theorem Included angles  AAS		"And Here's Two More!"	Practice Problems Exit Slip—prove two triangles are congruent using SSS, SAS,		

16	Study Guide		Study Guide		
March 27					
17	Test		Test		
March 28					
9 18	MATHia			Differentiated work on computers	Computers
March 29					
19	MATHia			Differentiated work on computers	Computers
March 30					