## **Student Centered Lesson Plan**

Name: <u>Geometry Team</u> Course: <u>Geometry Pre-AP</u>) Period: <u>1 & 4 - 8</u> Date: <u>04/06 - 13/15</u>

04/06 to 07/15)				
Objective:	Activities:		Methodology	
Students will be able to review all work in the 1st and the 2 <sup>nd</sup> phase of the 5 <sup>th</sup> cycle.	<ol> <li>Students will take "Do Now" on composition note. Teacher will do the correction on "Do Now" to spiral on previous lesson for mastery. Students will take notes. Teacher will check for understanding (10 minutes).</li> <li>Teacher introduces lesson and direction. Teacher models kahoot set up for review practice quiz (7 minutes).</li> <li>Students take notes as teacher introduces and presents direction.</li> <li>Modeling: Teacher starts kahoot. Students take kahoot linked through their computer. Student without computer uses phone to get to the HUB in order to connect to kahoot. Kahoot is timed for each question. There is a time in between questions to check for understanding using performance bar graph displayed on smarboard. After each kahoot question, teacher checks for understanding of mastery, and spiral back quickly to review skills. (20 minutes).</li> <li>Testing: Student are given Snapshot 6 to test for students' mastery (45 min).</li> <li>Exit ticket: student examining what they learnt over the past 6 weeks.</li> </ol>	ব্যব্য	Application Audio/ Visual Demonstration Written Independent Study Manipulatives/ Hands-on Lecture/ Notes Coop. Learning Thinking Maps Review/ Reteach Other	
Language Objective: Students will to demonstrate their mastery on 3-D volume and surface area from nets.	<b>HOTS:</b> Have I truly mastered my mastery? Have really review my mastery?	RIGRAG	Assessment: Teacher Evaluation Portfolio Peer/ Self Evaluation Test/ Quiz Written/ Oral Presentation Other	
Blooms: ✓ Remembering ✓ Understanding ✓ Applying ✓ Analyzing ✓ Evaluating ✓ Creating ✓ Modifications: Differentiate Instruction Group Support Peer Assistance	<b>Content Specific Notes</b> : Review of all taught TEKS in the past 6 weeks.		<b>terials/Resources</b> Textbook Technology Worksheet Other	

Wednesday to Tuesday (04/08 – 13/15)				
Objective:	Activities:	Methodology		
<ol> <li>Students apply properties of circles to determine the area of a sector and the length of an arc.</li> <li>Students will be able to develop circle graph using the knowledge of a sector and arc length.</li> </ol>	<ol> <li>Students will take "Do Now" on question based on previous taught lesson for maintenance and mastery (4 min).</li> <li>Teacher will do the correction on "Do Now" for purpose of spiraling on previous lesson for maintenance of skills. Students will take notes. Teacher will check for understanding (7 minutes).</li> <li>Modelling: Teacher introduces lesson and directions and again demonstrate the meaning and properties of circle, and its sector, arc length. Teacher demonstrates construction of circle to describe its characteristics. Students visualize using circular paper and computer to construct a circle and its sectors and. take notes. Teacher checks for understanding using "right is right" technique. (7 minutes).</li> <li>Group work: Teacher solves 3 problems to determine the area and length of a sector and circle graph. Teacher calls students out to check for understanding. Students are assigned problems to solve on guided practice in groups of 4. At the end a group or two are asked to present result on determining area of sector, arc length and circle graph. (15 minutes).</li> <li>Independent Practice: Students area assigned questions to practice independently. Students also take questions online on websites (IXL, quizlet, math guide) through the HUB to further reinforce independent understating and mastery of content. Teacher observes and assess students with running roster (20 min).</li> </ol>	<ul> <li>Application</li> <li>Audio/Visual</li> <li>Demonstration</li> <li>Written</li> <li>Independent Study</li> <li>Manipulatives/Hands-on</li> <li>Lecture/Notes</li> <li>Coop. Learning</li> <li>Thinking Maps</li> <li>Review/ Reteach</li> <li>Other</li> </ul>		
Language Objective: Students will be able to demonstrate the understanding of the vocabularies: circles, sectors, arcs, inscribed angle, chords, tangents, secants, circle graphs.	<b>HOTS:</b> Can you give an example of an application of circle and its sector, and arc? How would you use a sector of circular paper to build a cone?	Assessment:✓Teacher Evaluation✓Portfolio✓Peer/ Self Evaluation✓Test/ Quiz✓Written/ Oral✓Presentation Other		
Blooms: ■ Remembering Understanding ■ Applying ■ Analyzing ■ Evaluating ■ Creating ■ Modifications: Differentiate Instruction Group Support Peer Assistance	<b>Content Specific Notes</b> : <u>TEKS:</u> <i>GEOM.8A, GEOM.8B, GEOM.8E</i> <u>Lesson in Unit 13</u> : <i>Circles – Sectors and Arc Length</i> <u>Materials</u> : <i>Smart board, Geometry textbook, paper and</i> <i>pencil, calculator, computer, use of Hub, IXL website, math</i> <i>guide (website), quizlet (website), Exit ticket using the Hub.</i>	Materials/Resources✓Textbook✓Technology✓Worksheet✓Other		