Student Centered Lesson Plan

Name: Mr. Aghedo **Course:** Geometry (Pre-AP) Period: 1 & 4 - 8 **Date:** 01/20 to 01/21

<table>
<tr><th colspan="3">Wednesday (01/20/15) - Thursday (12/21/15)</th></tr>
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<td>Objective:
1. Students will be able to determine the missing angles and lengths given two side lengths of a right triangle in a real life application.</td>
<td>Activities:
1. Students will take “Do Now” spiraling on previous lesson. Teacher will do the correction on “Do Now”. Students will take notes. Teacher checks for understanding (7 minutes).
2. Modeling: Teacher introduces lesson and directions. Teacher models the real life application of trigonometric ratio, taking up guided practice (12 minutes). Students takes notes. Teacher checks for understanding using right is right technique.
3. Collaboration: Students sit in collaborative group of 4- 5 to solve the modelled problems on computing missing angle or lengths of sides of right triangle. Teacher works around the group to further check for understanding and also pay more attention to assist the special need and English language learners. At the end of group work, student is chosen at random to present group work. Teacher checks for understanding using cold calling at the end of group work. (30 min)
4. Independence: Students begin independent practice (30 min)
5. Exit ticket: Students write down or share what they have learnt for the day (5 min).</td>
<td>Methodology
☑ Application
☑ Audio/ Visual
☑ Demonstration
☑ Written
☑ Independent Study
☑ Manipulatives/ Hands-on
☐ Lecture/ Notes
☑ Coop. Learning
☐ Thinking Maps
☑ Review/ Reteach
☑ Other</td>
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<td>Language Objective:
Students will be able to demonstrate the understanding of the vocabularies: right triangle, hypotenuse side, opposite side, adjacent side, missing angle, trigonometric ratio, angle of elevation.</td>
<td>HOTS:
What is the angle of elevation given the height of one of the electric poles in my street? What is the height given the angle of elevation of the top of a tree in front of my house?</td>
<td>Assessment:
☑ Teacher Evaluation
☐ Portfolio
☑ Peer/ Self Evaluation
☐ Test/ Quiz
☑ Written/ Oral
☑ Presentation Other</td>
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<td>Blooms:
☑ Remembering
☑ Understanding
☑ Applying
☑ Analyzing
☑ Evaluating
☑ Creating

Modifications:
Differentiate Instruction Group
Support
Peer Assistance</td>
<td>Content Specific Notes:
Geometry 9A, Geometry 2.A, Geometry 1.A, Geometry 11.A, Geometry 11.B, Geometry 11.C, Geometry 5.A</td>
<td>Materials/Resources
☑ Textbook
☑ Technology
☑ Worksheet
☑ Other</td>
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