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**Math Weekly Lesson Preparation Guide**

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| **Teacher Name:** Kimberly West | **Grade:** 11th /12th Precalculus |
| **Week of:**  April 7th thru April 11th | **Lesson:** Fundamental Trigonometric Identities |

*Purpose: The Weekly Lesson Preparation Guide is to provide a structure that encourages teachers to think through and internalize the daily/weekly instructional expectations.*

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| ***Planning Questions*** |  |  |  |
| 1. Which specific Tennessee **standard(s)** are being addressed in this lesson? What is the focus of this lesson? What will the lesson **objective** be for each day? | **P.G.TI.A.1** Apply trigonometric identities to verify identities and solve equations. Identities include: Pythagorean, reciprocal, quotient, sum/difference, double-angle, and half-angle  **Vocabulary**  \*Identities  \*Cofunction Identities  \*Reciprocal  **OBJECTIVE:** I can use fundamental identities to evaluate trigonometric expressions.  I can use fundamental identities to simplify trigonometric expressions. |  |  |
| **Modeling:**   1. What **specific tasks/problems** will you use to reveal understanding of the grade-level standard(s)? (refer to the [Instructional Focus Document](https://scsk12.sharepoint.com/:b:/s/CIMathLinks/EYpqxmc9g99Ok0WoLv0Xk-IBoDr700BY_sWN5u2zqSEUdA?e=lzzd50) Evidence of Learning Statements |  |  |  |
| 1. Practice (student task) | \*Selective Practice Problems: Board-work/ Handouts/Quizizz/Khan Academy  \*Look and listen for proper steps and vocabulary used to explain each step in the problem-solving process |  |  |
| ***Additional Considerations*** |
| If your lesson contains homework, how will you utilize the work? Will you need to send scaffolding notes home? Is there a strategy you can use to maximize homework? | **Homework will be utilized by:**  **Align with Learning Objectives:** Ensure that homework directly relates to the concepts taught in class, allowing students to apply their learning.  **Variety of Tasks:** Include different types of problems (e.g., practice, application, extension) to cater to various levels of understanding and to reinforce the concept from multiple angles.  **Scaffolded Problems:** Start with easier problems and gradually increase difficulty. This helps build confidence and understanding before tackling more complex tasks.  Extension Challenges: Include a few challenging problems that encourage critical thinking and exploration beyond the basic concepts. |  |  |