Curriculum Planning Template

Name of Unit: **HS Trigonometry Analytic Trigonometry**	
Grade	**11 and 12**
Unit of Study	**Unit 2: Analytic Trigonometry**
Length of Unit	**20 days**

Learning Standards
Prove and apply trigonometric identities.

Unit 2: Learning Targets
I can use fundamental identities to verify and prove trigonometric identities.
I can use sum and difference formulas to find the sine, cosine, and tangent of a given angle.
I can use double and half angle formulas to find the sine, cosine, and tangent of a given angle.
I can find all solutions of a trigonometric equation.
I can use identities to simplify and solve trigonometric equations.

Intervention and Enrichment
N/A: Dual Credit Class, must follow collegiate approved curriculum

Assessments	
MLS (Learning Goal)	**Description or Location**
• Prove and apply trigonometric identities.	Chapter 5 Test

Vocabulary
Verify an identity, Sum and Difference formulas, Double angle formulas, half angle formulas, Product to sum formula, sum to product formula,

Curriculum Planning Template

Instructional Materials

Pre-Calculus, 5th Ed.; Blitzer; Pearson; 2014. ISBN-13: 978-0-13-310123-2
Teacher created notes and note videos
Homework assignments taken from the noted textbook.
Simplifying Trigonometric Expressions 1
Simplifying Trigonometric Expressions 2
Sum and Difference Formulas
Double and Half Angle Formulas
Solving Trigonometric Equations

Additional Instructional Resources

N/A

Reflections for Future Revisions

Reflection and revisions will be an ongoing part of PLC and PD meetings.