

# PCSD Lesson Plan

<b>Grade Level:</b> 10 <sup>th</sup> <b>Teacher/Room:</b> G. Culbreth / 211 <b>Course(s)/ Period(s):</b> Accelerated Geometry / 2 <sup>nd</sup> /3 <sup>rd</sup> <b>Week of:</b> April 17-21				
<b>Unit Vocabulary:</b> trigonometry, trigonometric ratio, sine, cosine, tangent, inverse sine, inverse cosine, inverse tangent, cofunction, angle of elevation, angle of depression, line of reflection				
<b>Instructional Strategies Used:</b> direct instruction, independent study, interactive instruction				
Monday	Tuesday	Wednesday	Thursday	Friday
<b>GSE Standard(s):</b> MGSE9-12.G.SRT.6 L9-10RST7	<b>GSE Standard(s):</b> MGSE9-12.G.SRT.6 MGSE9-12.G.SRT.7 L9-10RST7	<b>GSE Standard(s):</b> MGSE9-12.G.SRT.8 L9-10RST7	<b>GSE Standard(s):</b> MGSE9-12.G.CO.4 MGSE9-12.G.CO.5 L9-10RST7	<b>GSE Standard(s):</b> MGSE9-12.G.CO.4 MGSE9-12.G.CO.5 L9-10RST7
<b>Essential Question:</b> How do I use the properties of 45-45-90 and 30-60-90 triangles?	<b>Essential Question:</b> How do I use trigonometric ratios to find angle measures in right triangles?	<b>Essential Question:</b> How do I solve problems involving angles of elevation and depression?	<b>Essential Question:</b> How do I draw reflections in the coordinate plane?	<b>Essential Question:</b> How do I draw translations in the coordinate plane?
<b>Mini Lesson:</b> <ul style="list-style-type: none"> <li>• Review Activity (Homework Discussion)</li> <li>• Discussion of Vocabulary</li> </ul> <b>Activating Strategies:</b> <ul style="list-style-type: none"> <li>• Muddiest Point</li> </ul> <b>Lesson:</b>  <ul style="list-style-type: none"> <li>• Special Right Triangles</li> </ul>	<b>Mini Lesson:</b> <ul style="list-style-type: none"> <li>• Review Activity (Homework Discussion)</li> <li>• Discussion of Vocabulary</li> </ul> <b>Activating Strategies:</b> <ul style="list-style-type: none"> <li>• Acrostics</li> </ul> <b>Lesson:</b>  <ul style="list-style-type: none"> <li>• Trigonometry</li> </ul>	<b>Mini Lesson:</b> <ul style="list-style-type: none"> <li>• Review Activity (Homework Discussion)</li> <li>• Discussion of Vocabulary</li> </ul> <b>Activating Strategies:</b> <ul style="list-style-type: none"> <li>• Quick Talk</li> </ul> <b>Lesson:</b> <ul style="list-style-type: none"> <li>• Sine and Cosine of Complementary Angles</li> <li>• Angles of Elevation and Depression</li> </ul>	<b>Mini Lesson:</b> <ul style="list-style-type: none"> <li>• Review Activity (Homework Discussion)</li> <li>• Discussion of Vocabulary</li> </ul> <b>Activating Strategies:</b> <ul style="list-style-type: none"> <li>• Entrance Ticket</li> </ul> <b>Lesson:</b>  <ul style="list-style-type: none"> <li>• Reflections</li> </ul>	<b>Mini Lesson:</b> <ul style="list-style-type: none"> <li>• Review Activity (Homework Discussion)</li> <li>• Discussion of Vocabulary</li> </ul> <b>Activating Strategies:</b> <ul style="list-style-type: none"> <li>• 3-2-1</li> </ul> <b>Lesson:</b>  <ul style="list-style-type: none"> <li>• Translations</li> </ul>
<b>Resource/Materials:</b> <ul style="list-style-type: none"> <li>• PowerPoint/Electronic Resources</li> <li>• Textbook materials including worksheets</li> <li>• Graphic Organizers</li> </ul>	<b>Resource/Materials:</b> <ul style="list-style-type: none"> <li>• PowerPoint/Electronic Resources</li> <li>• Textbook materials including worksheets</li> <li>• Graphic Organizers</li> </ul>	<b>Resource/Materials:</b> <ul style="list-style-type: none"> <li>• PowerPoint/Electronic Resources</li> <li>• Textbook materials including worksheets</li> <li>• Graphic Organizers</li> </ul>	<b>Resource/Materials:</b> <ul style="list-style-type: none"> <li>• PowerPoint/Electronic Resources</li> <li>• Textbook materials including worksheets</li> <li>• Graphic Organizers</li> </ul>	<b>Resource/Materials:</b> <ul style="list-style-type: none"> <li>• PowerPoint/Electronic Resources</li> <li>• Textbook materials including worksheets</li> <li>• Graphic Organizers</li> </ul>
<b>Differentiation:</b> <ul style="list-style-type: none"> <li>• Graphic Organizers</li> </ul> <b>Grouping Strategy (if any):</b> <ul style="list-style-type: none"> <li>• Flexible Grouping</li> </ul> <b>Assessment Strategy:</b> <ul style="list-style-type: none"> <li>• Grouping based on formative assessment</li> </ul>	<b>Differentiation:</b> <ul style="list-style-type: none"> <li>• Think, Pair, Share</li> </ul> <b>Grouping Strategy (if any):</b> <ul style="list-style-type: none"> <li>• Flexible Grouping</li> </ul> <b>Assessment Strategy:</b> <ul style="list-style-type: none"> <li>• Grouping based on formative assessment</li> </ul>	<b>Differentiation:</b> <ul style="list-style-type: none"> <li>• Graphic Organizers</li> </ul> <b>Grouping Strategy (if any):</b> <ul style="list-style-type: none"> <li>• Flexible Grouping</li> </ul> <b>Assessment Strategy:</b> <ul style="list-style-type: none"> <li>• Grouping based on formative assessment</li> </ul>	<b>Differentiation:</b> <ul style="list-style-type: none"> <li>• Graphic Organizers</li> </ul> <b>Grouping Strategy (if any):</b> <ul style="list-style-type: none"> <li>• Flexible Grouping</li> </ul> <b>Assessment Strategy:</b> <ul style="list-style-type: none"> <li>• Grouping based on formative assessment</li> </ul>	<b>Differentiation:</b> <ul style="list-style-type: none"> <li>• Think, Pair, Share</li> </ul> <b>Grouping Strategy (if any):</b> <ul style="list-style-type: none"> <li>• Flexible Grouping</li> </ul> <b>Assessment Strategy:</b> <ul style="list-style-type: none"> <li>• Grouping based on formative assessment</li> </ul>
<b>Assessment :</b> <i>Formative:</i> Thumbs Up/Down <i>Summative:</i> Not Applicable	<b>Assessment :</b> <i>Formative:</i> Thumbs Up/Down <i>Summative:</i> Not Applicable	<b>Assessment :</b> <i>Formative:</i> Thumbs Up/Down <i>Summative:</i> Not Applicable	<b>Assessment :</b> <i>Formative:</i> Thumbs Up/Down <i>Summative:</i> Not Applicable	<b>Assessment :</b> <i>Formative:</i> Thumbs Up/Down <i>Summative:</i> Not Applicable
<b>Homework:</b> Lesson 8-3 p.562-566 #8-34 (even), 37-38, 41, 46, 48-49, 51-52, 66-68	<b>Homework:</b> Lesson 8-4 p. 573-577 #16-48 (even), 51-53, 57-59, 62, 66-69	<b>Homework:</b> Supplementary Worksheet; Lesson 8-5 p. 583-587 #1-15	<b>Homework:</b> Lesson 9-1 p. 627-631 #10-32 (even), 41-43, 45, 52-55	<b>Homework:</b> Lesson 9-2 p. 635-638 #8-20 (even), 23-24, 26-27, 35-42, 46-50

Resources and Reflective Notes:

LESSON PLANS SUBJECT TO CHANGE