

**Lesson Plans****Mr. Carbonella****Week of: January 3rd-7th**

Homework and due dates subject to change. Attend class daily to find updated homework assignment or send me an email if you are absent.

Email me for homework assignments if you are absent and wish to work on the homework (mcarbonella@libertychristian.org)

<b>SUBJECT</b>	<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>Algebra 1</b>	Graphing Relationships Objective: THE STUDENT WILL BE ABLE TO MATCH A GRAPH WITH SITUATIONS. <b>GP:</b> pg 203 #1-6 <b>HW:</b> pg203 #10-25	Graphing Relationships Objective: THE STUDENT WILL BE ABLE TO DESCRIBE A SITUATION USING A GRAPH. <b>GP: Worksheet A</b> <b>HW: Workbook 4-1</b>	Relations and Functions Objective: THE STUDENT WILL BE ABLE TO IDENTIFY WHAT A FUNCTION IS. <b>Inclass: Workbook 4-2</b>	Relations and Functions Objective: THE STUDENT WILL BE ABLE TO KNOW WHAT A DOMAIN AND RANGE IS. <b>GP:</b> pg209 #1-14 <b>HW:</b> pg209 #15-21, 24, 26-28, 30-35	<b>Quiz: Graphing Relationships</b> Writing and Graphing Functions Objective: THE STUDENT WILL BE ABLE TO WRITE AN EQUATION IN FUNCTION NOTATION AND EVALUATE FOR A GIVEN INPUT. <b>GP: Worksheet A</b> <b>HW: Workbook 4-3</b>

<p style="text-align: center;"><b>Algebra 2</b></p>	<p>Products of Two Linear Functions Objective: THE STUDENT WILL BE ABLE TO WRITE A QUADRATIC FUNCTION AS A PRODUCT OF TWO LINEAR FUNCTIONS. <b>GP:</b> pg259 #7-8, 13-14, 27-28 <b>HW:</b> pg259 #9-12, 15-17, 29-38</p>	<p>Products of Two Linear Functions Objective: THE STUDENT WILL BE ABLE TO FIND MAX AND MIN OF A QUADRATIC FUNCTIONS. <b>GP:</b> <b>Enrichment 4.1</b> <b>HW:</b> Practice and apply 4.1</p>	<p>Solving Quadratic Equations Objective: THE STUDENT WILL BE ABLE TO SOLVE QUADRATIC EQUATION BY TAKING THE SQUARE ROOTS. <b>Inclass:</b> Practice and apply 5.2</p>	<p>Solving Quadratic Equations Objective: THE STUDENT WILL BE ABLE TO SOLVE QUADRATIC EQUATIONS USING DISTANCE FORMULA AND RIGHT ANGLE FORMULA. <b>GP:</b> pg267 #27-29, 33-35 <b>HW:</b> pg267 #7-26, 30-32, 36-38</p>	<p><b>Quiz: Products of Two Linear Functions</b> Objective: THE STUDENT WILL BE ABLE TO FIND THE VERTEX, AXIS OF SYMMETRY, AND DIRECTION OF OPENING OF QUADRATIC GRAPHS. <b>GP:</b> Practice and apply worksheet 5.3 #3-8 <b>HW:</b> pg274 #17-28, 31-38</p>
<p style="text-align: center;"><b>Pre-Calculus/AP Calculus AB</b></p>	<p>Pre-Cal: Right Triangle Trig Objective: THE STUDENT WILL BE ABLE TO DEFINE THE 6 TRIG RATIOS IN A RIGHT TRIANGLE. <b>GP:</b> pg419 #1, 5, 9, 21-22, 27-28, 33 <b>HW:</b> pg419 #2-4, 6-8, 10-14, 23-26, 29-32, 34-38 Calculus: <b>HW:</b> pg200 #1-14</p>	<p>Pre-Cal: Trigonometric Applications Objective: THE STUDENT WILL BE ABLE TO SOLVE TRIANGLES USING TRIG RATIOS. <b>GP:</b> pg429 #1-2, 7-8, 13, 17 <b>HW:</b> pg429 #3-6, 9-12, 14-16, 18-24 Calculus: <b>HW:</b> pg200 #15-30, 33-36</p>	<p>Pre-Cal: Trig Applications Objective: THE STUDENT WILL BE ABLE TO SOLVE FOR STORY BASED PROBLEMS. <b>Inclass:</b> pg430 #25-28, 37-42 Calculus: <b>Inclass:</b> pg207 #4-18even</p>	<p>Pre-Cal: Angles and Radian Measure Objective: THE STUDENT WILL BE ABLE TO CONVERT BETWEEN DEGREES AND RADIANS. <b>GP:</b> pg441 #1-2, 11-12, 23-24 <b>HW:</b> pg441 #3-10, 13-22, 25-34 Calculus: <b>HW:</b> pg208 #31-40</p>	<p>Pre-Cal: <b>Quiz: Right Triangle trig/applications</b> Angles and Radian Measure Objective: THE STUDENT WILL BE ABLE TO CALCULATE ARC LENGTH AND LINEAR/ANGULAR SPEED. <b>HW:</b> pg441 #35-42, 57-64, 78-84 Calculus: <b>Quiz: Extrema on the interval</b> <b>HW:</b> pg216 #1-20</p>

<p style="text-align: center;"><b>Physics</b></p>	<p>Introduction to Heat Objective: THE STUDENT WILL BE ABLE TO UNDERSTAND HOW A CALORIE IS DEFINED. <b>GP: pg229 #1-2 HW: pg227 #1-7</b></p>	<p>Thermodynamic Laws Objective: THE STUDENT WILL BE ABLE TO KNOW THE FIRST COUPLE LAWS OF THERMODYNAMICS <b>GP: pg227 #8-9 pg229 #7-8 HW: pg227 #10-21 pg229 #9-10</b></p>	<p>Absolute Zero and specific heat Objective: THE STUDENT WILL BE ABLE TO KNOW WHAT IS SPECIFIC HEAT. <b>Inclass: pg227 #22-26 pg229 #11, 13-14</b></p>	<p>Changes of state Objective: THE STUDENT WILL BE ABLE TO KNOW THE DIFFERENT STATES OF A SUBSTANCE. <b>GP: pg228 #29-30 pg229 #15-16 HW: pg228 #31-36 pg229 #17-20</b></p>	<p style="text-align: center;">Heat Lab</p>
<p style="text-align: center;"><b>FST</b></p>	<p>The Law of Sines Objective: THE STUDENT WILL BE ABLE TO USE THE LAW OF SINES ON CONGRUENT TRIANGLES. <b>GP: pg335 #1-2, 7-8, 11-12 HW: pg335 #3-6, 9-10, 13-18, 25-26</b></p>	<p>The Ambiguous Case Objective: THE STUDENT WILL BE ABLE TO FIND THE DIFFERENT CASES WHEN SSA. <b>GP: PG344 #1-2, 7-10 HW: pg344 #3-6, 11-22</b></p>	<p>Law of Sines Review <b>Inclass: Law of Sines Worksheet</b></p>	<p>The Law of Cosines Objective: THE STUDENT WILL BE ABLE TO FIND THE MISSING SIDE AND ANGLE WITH THE LAW OF COSINES SAS AND SSS. <b>GP: pg351 #1-2, 9-10 HW: pg351 #3-8, 11-16, 19-22</b></p>	<p><b>Quiz: The law of sines.</b> The Law of Cosines Objective: THE STUDENT WILL BE ABLE TO REVIEW THE LAW OF COSINES WITH DIFFERENT FORMS. <b>HW: algebra 2 workbook pg 96-97</b></p>
<p style="text-align: center;"><b>Study Hall</b></p>	<p style="text-align: center;">Study Logs</p>	<p style="text-align: center;">Study Logs</p>	<p style="text-align: center;">Study Logs</p>	<p style="text-align: center;">Study Logs</p>	<p style="text-align: center;"><b>Submit Study Logs</b></p>