

Module 18

<p>Lesson Name: The Coordinate Plane, Measurement Conversions</p>	<p>Subject: Math Course 2</p>	<p>Time Needed: 5 blocks & 5 nights of HW (approx.45 a night) February 6, 10, 11, 12, 13, 14, 18, 19, 20, 21</p>
<p>Standard(s): MA.7.G.4.3 Identify and plot ordered pairs in all four quadrants of the coordinate plane.</p> <p>MA.7.G.4.4 Compare, contrast, and convert units of measure between different measurement systems (US customary or metric (SI)), dimensions, and derived units to solve problems.</p>	<p>Essential Question(s):</p> <ol style="list-style-type: none"> 1. <u>Describe</u> an object that you would weigh in ounces. 2. <u>Explain</u> how to convert yards to feet and feet to yards. 3. <u>Explain</u> how the metric system relates to the base 10 number system. 4. <u>Discuss</u> why it makes sense to multiply when you convert to a smaller unit of measure. 5. <u>Compare</u> the process of converting feet to inches with the process of converting feet per minute to inches per second. 6. <u>Explain</u> whether point (4,5) is the same as (5,4). <u>Justify</u> your answer. 	<p>Vocabulary:</p> <ol style="list-style-type: none"> 1. coordinates 2. coordinate grids 3. coordinate plane 4. ordered pair 5. x-axis 6. y-axis 7. origin 8. quadrants 9. x-coordinate 10. y-coordinate 11. conversion factor 12. customary system of measurement 13. metric system of measurement
<p>Learning Objective(s)--->:</p> <ul style="list-style-type: none"> • Identify ordered pairs or the location of a point on a coordinate grid. • Identify characteristics of points located in each of the four quadrants, or on the x- and y-axes. 	<ul style="list-style-type: none"> • Convert units of measure within the same system with up to three conversions. • Convert units of measure between the customary and metric system. • Compare and contrast units of measure between the customary and metric system. 	<ul style="list-style-type: none"> • Convert units of measure using derived units (e.g., miles per hour to feet per second, etc).
<p>Student Home - Learning Resources (<u>explicit instruction resources included</u>):</p> <ul style="list-style-type: none"> • http://www.webmathminute.com/online.asp • www.reflexmath.com • TUTORIALS - Take Notes! • <u>Customary Measurement -</u> <ul style="list-style-type: none"> ○ http://my.hrw.com/math06_07/nsmedia/interactivities/anm116/anm116.html ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=69 	<ul style="list-style-type: none"> • <u>Dimensional Analysis -</u> <ul style="list-style-type: none"> ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm3/player.html?contentSrc=7315/7315.xml ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm1/player.html?contentSrc=8877/8877.xml ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=9051/9051.xml 	<p>Student Home-Learning(cont.):</p> <p>A.) One math minute, 30 question minimum.</p> <p>B.) Log your score in an ongoing spreadsheet document in your Google Drive.</p> <p>C.) Work on Reflex Math each night until you get a green light. (every night).</p> <ul style="list-style-type: none"> • Complete a Vocabulary Graphic Organizer (CLASS FOLDER) for the lesson's vocabulary & upload to the appropriate assignment link on EDMODO.

<p>03/6903.xml</p> <ul style="list-style-type: none"> ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=7927/7927.xml ○ http://prezi.com/rpdcppv1wesf/?utm_campaign=share&utm_medium=copy&rc=ex0share <ul style="list-style-type: none"> ● Metric Measurement - <ul style="list-style-type: none"> ○ http://my.hrw.com/math06_07/nsmedia/interactivities/anm117/anm117.html ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=6667/6667.xml ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=13159/13159.xml ○ http://prezi.com/-pe06-rlakso/?utm_campaign=share&utm_medium=copy 	<ul style="list-style-type: none"> ● Coordinate Plane - <ul style="list-style-type: none"> ○ http://my.hrw.com/math06_07/nsmedia/interactivities/mia714/mia714.html ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=6132/6132.xml ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=6894/6894.xml ○ http://my.hrw.com/math06_07/nsmedia/lesson_videos/msm2/player.html?contentSrc=6895/6895.xml ○ http://prezi.com/krvzx30ux5kj/?utm_campaign=share&utm_medium=copy 	<ul style="list-style-type: none"> ● Respond to the iModule Essential Questions (4 total) after watching the videos and completing tutorials in a document and post it to the appropriate assignment link on EDMODO.
<p>Classroom Activities(Flipped Class Model):</p> <p>Daily: Log into Carnegie Mathia software and work for 20 to 30 minutes/day. https://2013.carnegielearning.com/2013.05.39/auth/login2013.html</p> <p>Bi-Weekly: Log into Khan Academy 90 minutes & 3 mastered skills per week. https://www.khanacademy.org/</p> <p>TUTORIAL Holt Practice Quizzes - take a screen shot and paste to a ONE WORD document to turn in.</p> <ul style="list-style-type: none"> ● Customary Measurement - http://my.hrw.com/math06_07/nsmedia/practice_quizzes/msm2_fl/msm2_fl_pg_ch04_05.html ● Metric Measurement - http://my.hrw.com/math06_07/nsmedia/practice_quizzes/msm2_fl/msm2_fl_pg_ch04_06.html ● Dimensional Analysis - http://my.hrw.com/math06_07/nsmedia/practice_quizzes/msm2_fl/msm2_fl_pg_ch04_07.html ● Coordinate Plane - http://my.hrw.com/math06_07/ns 	<ul style="list-style-type: none"> ● GIZMOS <ul style="list-style-type: none"> ○ Points on the Coordinate Plane A & B ○ Unit Conversion ● Vocabulary Mid Year Test COMPLETED IN CLASS ● Module 18 Quiz 	<p>PBL (Project Based Learning):</p> <p>1. Use the link below to plot the following points on a coordinate plane.</p> <p>a. (-3,-2) b. (4,3) c. (-1,5) d. (4,-5) e. (0,2) f. (-5,0)</p> <p>http://smartboards.typepad.com/smartboard/files/coordinates1.swf</p> <p>Be sure to click the option that provides you all four quadrants.</p> <p>2. Take a screenshot and paste it to a WORD document.</p> <p>3. Label EACH point using text boxes in the WORD document.</p> <p>4. Label EACH quadrant.</p>

media/practice_quizzes/msm2_fl/msm2_fl_pg_ch05_01.html		5. Label the x and y axis.
Assessment: <ul style="list-style-type: none">• Khan Academy• Carnegie Learning Online• Reflex Math• Gizmos	<ul style="list-style-type: none">• Holt Practice Quizzes• Module 18 Quiz• PBL	<ul style="list-style-type: none">• Vocabulary• Essential Questions• Vocabulary Mid Year Test• Prezi TRY THIS practice problems.