

Key Learning: An object's location on a plane or in space can be described quantitatively.

Movement in a plane can be mathematically modeled and represented

Unit Essential Question: How can an object's location and/or movement on a plane be described mathematically?

<p>Concept:</p> <p>Movement on a plane</p>	<p>Concept:</p> <p>Equation of a line</p>	<p>Concept:</p> <p>Solving Equations</p>	<p>Concept:</p> <p>Intersecting lines</p>
<p>Lesson Essential Questions:</p> <p>How can you use multiple methods to describe movement on a plane?</p> <p>How do you find slope?</p>	<p>Lesson Essential Questions:</p> <p>How do you find the equation of a line? (find slope, find y-intercept)</p> <p>What is slope? (see FFR pg 27)</p>	<p>Lesson Essential Questions:</p> <p>How can you find the value of the variable in a given situation or equation?</p>	<p>Lesson Essential Questions:</p> <p>How do you determine where intersecting lines meet? ET: FFR pg 43</p> <p>How can you determine whether or not two lines intersect?</p>
<p>How can I use mathematics to model and make sense of situations in the real world?</p>			
<p>Vocabulary:</p> <p>Degree measurements, horizontal coordinate, vertical coordinate, x-coordinate, y-coordinate, origin, x-axis, y-axis, quadrants, Cardinal direction, directional pair, slope, compass, vertical component, horizontal component, coordinate grid/plane/system</p>	<p>Vocabulary:</p> <p>equation of vertical line, equation of horizontal line, y-intercept, slope, equation of a line, unknown</p>	<p>Vocabulary:</p> <p>Variable, equation, unknown, expression</p>	<p>Vocabulary:</p> <p>Intersecting, parallel, perpendicular</p>
<p>Additional Information & Resources:</p>			