



<b>Content: MATHEMATICS – Advanced Alg II</b>								
<b>Topic: Unit 9–Probability and Data Analysis 6½ days</b>								
<b>Content</b> (What do your students need to KNOW?)	<b>Demonstrators</b> (What do your students need to be able to DO?)	<b>Assessment</b> (How will you assess what your students ALREADY KNOW, and assess WHAT THEY’VE LEARNED?)	<b>Activities</b> (HOW will you teach it?)	<b>Resources</b> (What MATERIALS will you need?)	<b>Differentiation</b> (How will you reach the DIVERSITY of learners?)	<b>Literacy Connection</b> (How will you use READING and WRITING with this material?)		
<p><b>MA-H-3.1.4</b> Students will understand the differences between combinations and permutations.</p> <p><b>MA-H-3.1.5</b> Students will understand differences between theoretical and experimental probability.</p>	<table border="1"> <tr> <td> <p><b>Academic Expectations 1.5 - 1.9</b> Students use mathematical ideas and procedures to communicate, reason, and solve problems.</p> <p><b>2.13</b> Students understand and appropriately use statistics and probability.</p> </td> <td> <p><b>Program of Studies M-8-PS-11</b> Students will determine theoretical (mathematical) probabilities, compare that to experimental results, and explain reasons why there might be differences (e.g., express probability as a ratio, decimal, percent as appropriate for a given situation).</p> </td> </tr> </table>	<p><b>Academic Expectations 1.5 - 1.9</b> Students use mathematical ideas and procedures to communicate, reason, and solve problems.</p> <p><b>2.13</b> Students understand and appropriately use statistics and probability.</p>	<p><b>Program of Studies M-8-PS-11</b> Students will determine theoretical (mathematical) probabilities, compare that to experimental results, and explain reasons why there might be differences (e.g., express probability as a ratio, decimal, percent as appropriate for a given situation).</p>			Competency Assurance Task – Shaq’s Shoe Size		
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