

BRAINERD HIGH SCHOOL

Curriculum Map

Name: Catherine Wills Course: Algebra 2 Date: 8/6/2007

Pre-Assessment: Grade level placement test, Math Pre-Test , Pre-ACT test

Mid-Term Assessment: Unit tests, 9 Weeks Exam

Final Assessment: End of Course Exam, 9 Weeks Exam / Final Exam

<u>Month</u>	<u>Content</u>	<u>Essential Question(s)</u>	<u>Standards (SPI's)</u>	<u>Literacy Focus</u>	<u>Assessment</u>
Aug	Linear Functions Matrices	How do we solve and graph linear equations? How do we solve systems of equations? What are matrices and how do we use them?	1.0, 2.0, 3.0, 5.0	√ Reading charts and graphs √ Word problems √ Computer component	√ Project/Presentation √ Teacher Observation √ Show and Tell √ Self-Assessment √ Test/Quiz √ Other _____
Sept	Exponentials Logarithms Quadratics	What are exponentials and logarithms and how do we use them? How do we solve and graph quadratic functions?	2.0, 4.0, 5.0	√ Reading charts and graphs √ Word problems √ Computer component	√ Project/Presentation √ Teacher Observation √ Show and Tell √ Self-Assessment √ Test/Quiz <input type="checkbox"/> Other _____
Oct	Radicals Complex #s Higher-order Polynomials	How do we simplify radicals? What are complex #s? How do we solve and graph polynomials?	1.0, 2.0, 3.0, 4.0, 5.0	√ Reading charts and graphs √ Word problems √ Computer component	√ Project/Presentation √ Teacher Observation √ Show and Tell √ Self-Assessment √ Test/Quiz <input type="checkbox"/> Other _____
Nov	Rational Expressions Relations Functions Inverses	What is a piecewise function and how do we graph it? What is a discontinuity and what does it mean? What is a function? How do we find the inverse of a function?	1.0, 2.0, 3.0, 4.0, 5.0	√ Reading charts and graphs √ Word problems √ Computer component	√ Project/Presentation √ Teacher Observation √ Show and Tell √ Self-Assessment √ Test/Quiz <input type="checkbox"/> Other _____
Dec	Conic Sections Periodic Functions	What are the conic sections? How do we graph them? What is trigonometry? How do we solve and graph periodic functions?	3.0, 4.0, 5.0	√ Reading charts and graphs √ Word problems √ Computer component	√ Project/Presentation √ Teacher Observation √ Show and Tell √ Self-Assessment √ Test/Quiz <input type="checkbox"/> Other _____