

# BRAINERD HIGH SCHOOL

## Curriculum Map

Name: Thomason 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>
<b>Aug</b>	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 _____
<b>Sept</b>	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 _____
<b>Oct</b>	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 _____
<b>Nov</b>	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 _____
<b>Dec</b>	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 _____