Bridge Mathematics

RCAS Policies/Procedures:

Students will be required to follow all RCAS policies and procedures. To view the RCAS High School Student Handbook, click handbook.

Course Description:

The Bridge Course is an introduction to basic algebra concepts and a review of pre-requisite arithmetic skills. The course emphasizes the concepts necessary to be successful in Algebra 1 and Geometry. The course helps students develop mathematical study skills, remediate lost learning, and gain access to new learning strategies.

Textbook: Math Accelerated, A Pre-Algebra Program, McGraw Hill

Required Resources:

ALEKS

"Limited Choice" Resources: (students will be asked to choose at least one title from this list)

Student Choice:

Will student be asked to choose additional reading material from the classroom or school library?

No

Essential Questions:

How can you use numbers and symbols to represent mathematical ideas?
What happens when you add, subtract, multiply and divide integers?
What happens when you add, subtract, multiply and divide rational numbers (fractions)?
Why is it helpful to write numbers in different ways?
Why are algebraic rules useful?
How are equations and inequalities used to describe and solve multi-step problems?
How are linear functions used to model proportional relationships?

Essential Learning Intentions:

I can perform operations on real numbers
I can perform operations on fractions
I can write and solve algebraic expressions
I can write and solve 1 and 2 step equations and inequalities
I can graph linear equations in slope-intercept form
I can solve a system of equations and understand the meaning of the solution