

Interactive Mathematics 3 AB

Teacher:Bremer

Course Description College Preparatory Mathematics - third year.

Skill Objectives and Outcomes:

- Mathematical Thinkers that cannot only do, but also use, mathematics.

Course Content:

- Fireworks - Connecting algebra and geometry. Quadratic functions, maximum, minimum, vertices and intercepts.
- Meadows or Malls? - 3-D geometry, multi-variable linear programming, and matrices.
- Orchard Hideout - analytical geometry and the geometry of circles
- Small World - exponential functions and derivatives.
- Pennant Fever - conditional probability and the binomial theorem.

Grades/Credit: Points and percentages are extrinsic rewards for what should be an intrinsically rewarding activity. Grades will be based on student understanding of the key concepts and skills addressed in each unit. Students will have a variety of ways to demonstrate their understanding, such as individual and group assessments, presentations, class discussions, self-evaluation, and written assignments.

Students will receive regular feedback and an opportunity to correct and improve a minimum of once a month.

Instructional Materials:

- Graphing Calculators
- Assorted mathematic manipulatives

Late Policy:

Homework: A student may submit late work with no penalty as long as it is turned in along with an on-time assignment.

Major Assignments will be downgraded for each day of lateness and will not be accepted after three days without an excused absence. Extensions for excused absences must be arranged with the teacher immediately upon return.