



Welcome to MVHS Math

Curriculum Night

Sept. 6, 2018

www.mrsnjohnson.com



Follow us on Twitter @MeteaMath



Mrs. Johnson



Mrs. Johnson

- Wife and Mother
- Math Teacher: 25+ years
- H.S. Teacher (Ten @ WVHS; Eight @ MVHS))
- Honors Pre-calculus and AP BC Calculus
- Member of SIAM and NCTM
- Two - time Illinois top 5 PAEMST (2015, 2017)
- Available for help by 7:00 a.m. D117 daily



Life Skills Your Student Will Experience In Math

Problem Solve

Ownership/
Accountability

Discovery

Extrapolate

Team Work



Growth Mindset

Reflection

Critical Thinking

Take on Challenges

Persevere

Critical Thinking

Integrity

Justify/Support

Metacognition

Tools Students Need for Math Class

TI-83+ or TI-84+ Calculator



Expo Markers and a Sock



Chromebook

Pencils and Highlighters



5-Subject college-rule notebook (Mrs. Johnson)



Math these days..... Things are different...VERY

What we do....

- Investigations v. drill and kill
- Groups v. solo learning
- Creativity v. Rigidity
- Critical thinking v. Rote memorization
- Metacognition

By guiding them....

- Persevere and problem solve
- Critique, reason, and construct viable arguments
- Model with mathematics
- Use tools appropriately
- Find patterns in structure



To sum it up...

**PREPARING STUDENTS TO BE LIFE
LONG PROBLEM SOLVERS AND
PRODUCTIVE CITIZENS**

My Courses

Homework: We will have homework almost every night.

Textbook, Worksheets, Tasks/Projects

AP BC Calculus - Periods 2 & 6 & 8

Honors Pre-calculus - Periods 3 & 7

Calculators

Each student needs to have a graphing calculator. We recommend the TI-83+ or TI-84+ Silver

Note: Some students own a TI-92. The TI-92 CANNOT be used on quizzes, tests, or standardized tests (i.e. ACT or SAT)



Course Breakdowns

AP BC Calculus

Tests: 50%

Quizzes 20%

Homework 10%

Final Exam 20%

Honors Pre-calculus

Tests/Quizzes: 70%

Homework 10%

Final Exam 20%

Resources

- Website: www.mrsnjohnson.com
 - Students (i.e., class specific)
 - Parents
 - Math enrichment
 - Khan academy (www.khanacademy.org)
- Math Resource: H-108
 - Staffed by math teachers and peer tutors
 - Available every lunch period
- Home Access Center (online grading system)
 - Check often -- hold your child accountable

Partnering for Success



#1 Communication : Email / Phone/ Student Voice

#2 Utilize the many resources available

- Your teacher
- Your textbook
- Math Resource H108 - open all lunch periods
- Online resources : teacher posted videos, teacher created videos
- Khan Academy

For Parents Check these out

[NCTM President Matt Larson - on the Math Reform Pendulum](#)
[ACTIVE LEARNING LEADS TO HIGHER GRADES AND FEWER](#)
[FAILING STUDENTS IN SCIENCE, MATH AND ENGINEERING](#)
Wired Magazine