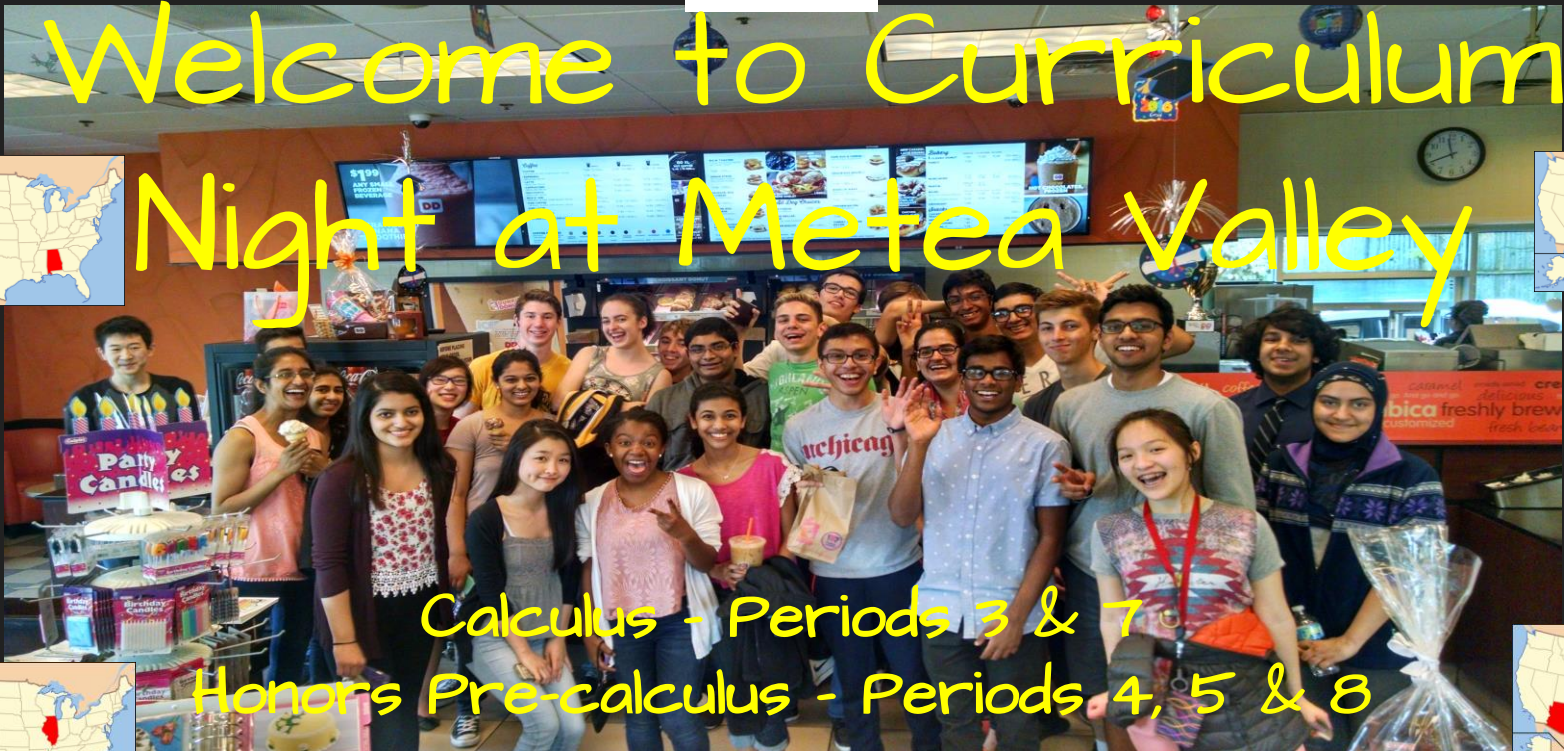




# Welcome to Curriculum Night at Metea Valley



Calculus - Periods 3 & 7  
Honors Pre-calculus - Periods 4, 5 & 8



# Life Skills Your Student Will Experience In Math

Problem Solve

Team Work

Critical Thinking

Ownership/  
Accountability

Take on Challenges

Integrity

Discovery

Growth Mindset

Justify/Support

Extrapolate

Reflection

Critical Thinking

Persevere

Metacognition

## Traditional Classroom

Most of us grew up in a traditional math classroom setting where it most likely consisted of the following routine.

### Teacher would:

- Put up answers to homework on board.
- Lecture on new concepts by presenting step-by-step procedures for students to memorize.
- Assign new homework for students to work on independently.
- Repeat the process for the next day with the exception of quiz/test day.

## Today's Classroom

Students now learn math in an engaging, collaborative environment that consists of the following routine.

### Students and Teachers will:

- Work through, solve, and create a justification for how they solved the math exercise.
- Actively engage in the math experience by exploring concepts and making connections; during this discovery phase, math education is at its best.
- Construct viable arguments and critique the reasoning of others; students develop problem solving skills through this process that will be beneficial beyond the math classroom.

# Outside of Class

Homework: We will have homework almost every night. I am available for help before school on Mondays and Wednesdays. Math resource is everyday during lunch periods.

Textbook, Worksheets, Tasks/Projects

Grade Break Down:

Calculus	
Homework	10%
Quizzes	25%
Tests	45%
Final Exam:	20%

Honors Pre-calculus	
Homework/Projects	10%
Tests/Quizzes	70%
Final Exam:	20%

# Resources

- Website: [Mrs Johnson's www.mrsnjohnson.com](http://www.mrsnjohnson.com)

Students (i.e., class specific)

Parents

Math enrichment

Khan academy ([www.khanacademy.org](http://www.khanacademy.org))

- Math Resource: G-122

Staffed by math teachers and peer tutors

Available every lunch period

- Home Access Center (online grading system)

Check often -- hold your child accountable

# 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)



Thank you for Attending Curriculum Night 2016!



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