

ST. JOHNS MIDDLE SCHOOL
Mathematics 8 Syllabus

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Conference: 4th hour (10:38 – 11:28)

Textbook: Big Ideas Math – Grade 8 Blue (copyright 2014/ISBN 978-1608404513)

Course Description:

The eighth grade mathematics program introduces new mathematical concepts and critical thinking skills needed to prepare students for future mathematics classes and every day mathematical situations. This course is organized around the strands of the Core Common State Standards (CCSS) and the mathematical practices referenced in the CCSS. Math 8 offers a thorough introduction to algebraic concepts, while also covering the following topics: number properties and operations, data analysis, geometry, and mathematical processes.

Resources:

- **Class Website:** <http://sjmswalker.weebly.com>
- Online Textbook: www.bigideasmath.com. Choose Student button. Choose Easy Access Home Edition. Choose Common Core 2014.
- Infinite Campus: <https://stjohnsmi.infinitecampus.org/campus/portal/StJohns.jsp>

Course Objectives:

- Meet Common Core State Standards for eighth grade mathematics.
- Improve conceptual understanding of everyday mathematics as well as critical thinking and problem solving skills.

Recommended Supplies:

- Blue 3-ring binder, 5-tab dividers, filler paper, jumbo book cover, calculator (Texas Instruments TI-30 series, such as TI30XS, TI-34, TI-30 XS IIS, recommended), pencils, colored pens
- ****If you need help getting any of these supplies, please see me before or after class.****

Requirements:

- Bring a positive attitude to class each day.
- Complete homework assignments on time.
- Study for tests and quizzes.
- Bring necessary materials daily (including calculator, folder, paper, pens, and pencils).
- Cell phones may NOT be used as a calculator.

Grading Scale:

Grade weightings:

A	100 - 93	C	76 - 73	Assessments	70 %
A –	92 - 90	C –	72 - 70	Daily Work	20%
B +	89 - 87	D +	69 - 67	Final Exam	10 %
B	86 - 83	D	66 - 63		
B –	82 - 80	D –	62 - 60		
C +	79 - 77	E	59 - 0		

Homework:

Homework is assigned nearly everyday. Homework should be well labeled (including the appropriate heading with name, hour, assignment page, and problem numbers), and show all work. Some class time will usually be given to begin homework, but **students will have to take some work home** to complete each assignment. Homework will be checked routinely to ensure it is completed on time with all work shown. Each assignment will be scored using the following three point scale:

+3	100%	I completed all problems assigned and showed all my work.
+2	67%	I completed most of the problems assigned and showed my work.
+1	33%	I started the assignment, but did not invest much time or effort.
+0	0%	I did not even start the assignment.

Late or Incomplete Work:

All work is expected to be completed on time. Students will receive 4 “oops” passes per trimester which can be used to replace 4 late assignments. Each chapter test is considered to be a final deadline for all work from that chapter. In other words, any work from Chapter 1 will not be accepted after the Chapter 1 assessment.

Neatness Standard:

All assignments should be completed in a neat and organized fashion. All written work must be legible. Assignments should demonstrate the best effort of the student.

Absences and Assigned Work:

When a student is absent, it is his or her responsibility to get assignments. Students should refer to the Agenda link on the class website for missed work. Students are welcome to ask questions or get clarification from the teacher or a peer.

Students will be granted one additional day for each day absent to complete assignments. However, except in the case of an extended absence or a special circumstance, students that are absent the day before a quiz, test, or project due date will still be expected to complete these tasks on time.

Tests and Quizzes:

Chapter tests and quizzes are planned and announced. Homework quizzes are unannounced.

After School Help:

The teachers of the middle school math department offer an open math lab every Monday and Wednesday until 3:30 in the Info Center classroom. This after school time can be used to get extra help, make up work and assessments due to an absence, etc.

Attendance:

Good attendance is important for all students to get the most out of class. Normal school policy regarding attendance and tardiness will be followed.

Behavioral Expectations:

This class follows the behavioral expectations laid out in the SJMS Student/Parent Handbook.

It is expected that students will...

- Respect others, their belongings, and the materials in our room.
- Demonstrate self-control at all times.
- Always give their best effort.

Helpful Hints:

- Do your homework and turn it in on time.
- Ask for help when you need it.
- Take time to do corrections and attempt to understand your mistakes.
- Practice for tests and quizzes by working through problems similar to those you have done in class.

Course Outline:

- Unit 1: Equations
- Unit 2: Transformations
- Unit 3: Angles and Triangles
- Unit 4: Graphing and Writing Linear Equations
- Unit 5: Systems of Linear Equations
- Unit 6: Functions
- Unit 7: Real Numbers and the Pythagorean Theorem
- Unit 8: Volume and Similar Solids
- Unit 9: Data Analysis and Displays
- Unit 10: Exponents and Scientific Notation

****PLEASE RETURN THIS PORTION OF THIS SYLLABUS ONLY.****

I, _____ have read the information in the Math 8
(Print Student's Full Name)
syllabus. I understand the policies in place in this class, and I accept the responsibility for abiding by them.

Student Signature

Class Hour

Parent Signature

Date