

Algebraic Connections Course Syllabus

Mr. Army Daniel, III

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Math Department / Room #1179

Mae Jemison High School

Course Description

This course will provide you with the necessary skills required for you to be successful in a future math and science courses. This class will also help to strengthen your critical thinking and problem solving skills, which will be an asset to you for the rest of your life.

Class Goals

1. All students will reach at least 80% mastery on all coursework.
2. All students will be academically and socially prepared for higher education or career.

Course Topics

- Tools for Geometry
- Reasoning and Proof
- Parallel and Perpendicular Lines
- Congruent Triangles /Relationships with Triangles
- Polygons and Quadrilaterals
- Similarity
- Right Triangles and Trigonometry
- Area
- Circles
- Surface Area and Volumes
- Transformations

Evaluation and Grade Assignment

Grade Distribution

Tests, Quizzes, and assessment - 60%

Classwork - 30%

Homework - 10%

Grading Scale

100-90 A

89-80 B

79-70 C

69-60 D

59-0 F

Students are expected to complete and submit all assignments by the due date.

Additional Applications used for this Course:

Schoology

Google Meet

Nearpod

Realize

Laying the Foundations applications

AMSTII applications

MyMathLabforSchool.com

IXL.com

Quizziz

Other Software Applications relevant to Algebraic Connections

Instructional Methods

Various levels of instruction will be used throughout the course. The class will begin with Bell Work. This will be followed by the introduction to new material, guided practice, and independent practice.

Textbooks and Materials

- a. **Textbook.** [Blitzer]. *Math for Your World*, Boston, Massachusetts, / Prentice Hall 2012
- b. Materials: pencils only, Cornell notes/composition notebook, small 3 ring binder.
- c. Technology: **Charged** computers must be brought to class and used responsibly every day. Calculators will be used occasionally.

Daily Expectations

1. Students will be in seat working silently on the Do Now with all supplies ready when BELL RINGS.
2. Students must raise their hand to ask or answer a question or to express a concern unless otherwise stated
3. Students will come to class prepared and be fully engaged. Absolutely NO sleeping.
4. Students will follow all instructions the first time they are given.
5. We will use kind words and be respectful of one another at all times.
6. Students will put away electronic devices, cell phones, headphones and earbuds.

Rewards for positive behavior

- Class points reward system / preferred activity time on Friday

General classroom policies

- **Absences:** All details of the day will be listed on Canvas site. Students should access that page before asking teacher questions. Students will have the same number of days they were absent to make up missing work (example: absent 2 days, 2 days upon return to turn in makeup work)
- **Retest:** Student must schedule an appointment with Mr. Daniel to discuss the grade and request to retake the test.
- **Bathroom passes:** Students must take care of any business outside of the classroom during class changes. Passes outside of the class will be limited [3 times]. Must have Pass to sign.
- **Late work:** Late work will not be accepted after 10 days. 10% deduction per day late.

Grading Summary

Type of Work	Summary Score	Weight
Tests, quizzes, etc.	300 pts	60%
Quizzes	100 pts	
Classwork/Homework	100 pts	40%
Do Now	5 – 10 pts	

-----All District and MJH policies and rules will be upheld and followed in my classroom-----

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I have read the syllabus and agree to abide by all classroom, school, and district rules and policies.

Student: _____

Date: _____

Witness: _____

Date: _____

I have read the syllabus and agree to encourage my student to follow all classroom, school, and district rules and policies. I agree to contact Mr. Daniel with any concerns I have about my student, and to work with Mr. Daniel to facilitate my student's success.

Parent/Guardian: _____

Date: _____