



William Howard Taft High School

A Wall-To-Wall International Baccalaureate School



Honors Algebra 1 Syllabus 2017- 2018

Ms. Brauer (Rm. 339)

mabrauer@cps.edu

Course Description

Algebra is the foundation for further study in mathematics. In algebra, students study patterns, properties, real numbers, the number line, linear equations and inequalities, proportions, formulas, systems, polynomials, radical expressions and equations, two step equations and quadratic equations. Literacy activities, which focus on the Chicago Reading Initiative's instructional framework, will be merged into the curriculum where appropriate. Honors credit is available. Topics at the honors level are presented in greater depth and rigor than at the regular level.

Course Topics

Unit 1: Foundations of Algebra

Unit 2: Solving One-Variable Equations and Inequalities

Unit 3: Ratios and Proportions Relationships, Graphing Linear Equations, Linear Inequalities, and Absolute Value Function

Unit 4: Writing and Graphing Linear Equations and Solving Systems of Linear Equations and Inequalities

Unit 5: Exponents and Exponential Functions

Unit 6: Quadratics

Unit 7: Modeling with Non-Linear Functions

Unit 8: Statistics

Classroom Rules

1. Be on time and prepared for class every day.
2. Listen to others when they are talking.
3. Be an active participant in classroom discussions.
4. Work when it is work time.
5. Listen and follow directions.

Required Supplies

- ✓ Folder and/ or Binder
- ✓ Notebook
- ✓ Writing Utensils (pencils preferred)
- ✓ Texas Instruments Calculator (TI-30, TI-36, TI-83, or TI-84 is suggested)

***Cell Phones are not to be used as a calculator during class time**

Cell Phone Use

Cell Phones are not to be used during class time unless otherwise specified. Additionally, ear buds and cords are not to be visible. If a student is using their phone during class, then they will need to put their phone into the cell phone bin and collect it after class. There will be select times based on student performance and allotted activities that students will be allowed to listen to music while working on individual assignments.

Grade Breakdown

50% Summative Assessments

30% Formative Assessments

20% Approaches to Learning (ATL)

****ATL includes preparedness for class, arriving on time with supplies and homework completed, being engaged in class work, and contributing to a learning environment.**

**Conversion from MYP
Rubric to Percentage:**

IB Criterion

Course Grading Scale:

A is 90% and above
B is 80 – 89%
C is 70 – 79%
D is 60 – 69%
F is 59% and below

IB MYP Score	Assigned Percent
8	100
7	95
6	90
5	85
4	80
3	75
2	70
1	65
0	50

Criterion A: Knowing and Understanding

Criterion B: Investigating Patterns

Criterion C: Communicating

Criterion D: Applying Mathematics in Real-Life Contexts

Hall Pass

A student may only leave the classroom with permission from the teacher and an official hall pass.

Tardiness

If students are not in the classroom by the time class starts and do not have a pass, they will be given a tardy. All students should enter the classroom respectfully and quietly especially if they enter class late. If you are late to class, please get started on the current task as quickly as possible. If there is an assignment to be turned in that has already been collected when you arrive, please place it on my desk. If you have a pass, please also leave that on my desk.

*****Cell phones and ear buds should not be visible when you enter the classroom since class will have begun if you are tardy.**

General Classroom Policies (Please consult the Taft handbook for school policies and procedures)

1. Maintain academic integrity.
2. Respect each other and yourselves.
3. Absences must be excused in order to make up missed assessments.
4. Absolutely no electronic devices should be visible or in use.

Late Work Policy

Any late work turned in will only be accepted by the **end of the current unit**. If a student will be participating in a “Save the Grade” workshop, the work assigned make-up work will involve assignments from the current unit.

If you are absent, it is your responsibility to make up any assignments missed.

1. Check the math blog to see what you missed: **msbrauersmathblog.weebly.com**
2. Email me at mabrauer@cps.edu if you have additional questions

Please talk to me to determine the amount of time that will be given to complete any assignments/assessments.

To check what assignments you are missing check the math blog (**msbrauersmathblog.weebly.com**), Gradebook, or email me at mabrauer@cps.edu.

Help

If a student needs help with any topic discussed in class, I am available periods 1, 5, 6, before and after school **by appointment**. You can sign up for an appointment on my website

msbrauersmathblog.weebly.com under “Contact Ms. B”. If you have questions that can be answered through e-mail, my address is mabrauer@cps.edu.



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I, _____ (student), have read and have full understanding of the entire syllabus. I agree to abide by all of the classroom rules and CPS Student Code of Conduct.

Student Signature: _____ Date: _____

I, _____ (parent/guardian), have read and have full understanding of the entire syllabus. I agree to acknowledge all of the classroom rules and Student Code of Conduct.

Parent/Guardian Signature: _____ Date: _____

Please provide contact information:

1st Contact Name: _____

Phone #: _____

Email: _____

Best time to contact: _____ Do you prefer: ____ Phone ____ Email

2nd Contact Name: _____

Phone #: _____

Email: _____

Best time to contact: _____ Do you prefer: ____ Phone ____ Email