

# ALGEBRA 2

Instructor: Mrs. Kris Brown

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Website: <http://canton.k12.mo.us/> and <http://www.mathwithmrsbrown.weebly.com>

Course Section/Time: A2 (9:56 - 11:18) and B2 (9:56 - 11:18)

Planning Time: A1 (8:30 - 9:52) and B1 (8:30 - 9:52)

Phone: 288-5216

## **COURSE DESCRIPTION:**

This course is intended as a continuation of Algebra 1. Most of the skills and concepts introduced in Algebra 1 will be reviewed and expanded upon. In addition, a variety of new algebraic concepts will be introduced. There will be a significant emphasis placed on the different families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. You will also learn to model real-world situations using functions in order to solve problems arising from those situations. In addition to the algebra content, probability and data analysis will be explored.

## **COURSE TEXTBOOK:**

*Algebra 2*; Big Ideas Learning, © 2015.

Website: [www.bigideasmath.com](http://www.bigideasmath.com) (Students will be given access code to create a student login)

## **SUPPLIES NEEDED:**

- Folder and/or binder
- Lined paper (notebook or loose leaf)
- Pencils
- Scientific calculator (TI-30X) is **required** OR  
Graphing calculator (TI-83+, TI-84+) is **suggested**

## **COURSE GOALS/OBJECTIVES:**

### Quarter 1:

Ch. 1 – Linear Functions

Ch. 2 – Quadratic Functions

Ch. 3 – Quadratic Equations & Complex Numbers

### Quarter 2:

Ch. 4 – Polynomial Functions

Ch. 5 – Rational Exponents & Radical Functions

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### Quarter 3:

Ch. 6 – Exponential & Logarithmic Functions

Ch. 7 – Rational Functions

### Quarter 4:

Ch. 10 – Probability

Ch. 11 – Data Analysis and Statistics

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Ch. 8 – Sequences and Series (if time)

Ch. 9 – Trigonometric Ratios and Functions (if time)

**METHOD OF EVALUATION:**

Tests	60%
Quizzes	25%
Homework	15%

**GRADING SCALE:**

A	95 – 100%	C	73 – 76%
A-	90 – 94%	C-	70 – 72%
B+	87 – 89%	D+	67 – 69%
B	83 – 86%	D	63 – 66%
B-	80 – 82%	D-	60 – 62%
C+	77 – 79%	F	0 – 59%

**GRADING PROCEDURES:****TESTS (SUMMATIVE): (60% of grade)**

Summative assessments are ways to measure student learning of content standards at a particular point in time. In Algebra 2, they include chapter tests, projects, or presentations. Summative assessments carry the greatest weight when determining a student's final grade. They are a final assessment of the students' ability and cannot be retaken. It is important that students complete all practice assignments (classwork, homework, etc.) to better prepare themselves for the summative assessments.

School policy states that students will be given *four school days* to make up a test or quiz from the date the test was given, regardless of whether or not they were absent for part of the time period. If the test/quiz is not made up in this amount of time, a grade of zero will be recorded. It is the **student's responsibility** to remember the deadline and make arrangements to make up the test before or after school. Students will not make up a test during regular class time.

**QUIZZES: (25% of grade)**

Quizzes will be given periodically and will include recently learned objectives. Students will be allowed to make corrections to quizzes if necessary, along with completing an error analysis sheet. It is the student's responsibility to make arrangements to correct the quiz before or after school.

**HOMEWORK: (15% of grade)**

Students should expect homework to be assigned during most class periods. Due to the comprehensive nature of mathematics, it is extremely important that all assignments be completed on time. *Students are encouraged to complete homework on the day it is assigned; therefore if there are any questions and/or problems they can be addressed the following day. This will help ensure that homework assignments are turned in complete and on time.* Students will earn completion credit on homework. Incentives will be given to students who are completing all assignments on time. In addition to completion credit, 4 homework problems, designated by teacher, will be graded using scoring guide. Students with incomplete or missing homework will complete the ZAP online form (see student handbook for more information).

**Late Work Policy:** Students will be allowed to turn in late assignments and receive partial credit.

- If turned in **by 8:30 a.m.** on the next day of attendance, students will receive 10% grade reduction.
- If turned in **after 8:30 a.m.** on the next day of attendance, students will receive 25% grade reduction.
- Students will receive a zero for any assignment not turned in. Multiple late assignments will cause a meeting and/or phone call to parent.

***Make-up Work Policy:*** If student has an unexcused absence, any assignments, tests, or projects that are due or assigned will receive zero credit. If student has an excused absence, all make-up work must be completed within the same number of school days the student was absent.

Students turning in suspiciously similar assignments will be questioned regarding the possibility that unethical behavior has occurred. If it is determined that one student copied from another with permission, the students will both receive a zero on the assignment and parents will be notified. A second occurrence of copying will result in an office referral where school policy will apply.

**Students may come in between 7:45 a.m. and 8:15 a.m. to receive extra help if necessary. Students may also see me during 5th period for help.**

### **PROGRESS REPORTS/EXTRA CREDIT:**

Progress reports will be sent home with the student periodically each quarter. ***Students who return the signed progress report by the due date will receive extra credit.***

### **TECHNOLOGY:**

Students will have many opportunities to use technology in the classroom. Laptops will be used in the math classroom to enhance student learning. Students are expected to follow the acceptable use policy for technology. Any violation or misuse of technology will result in the loss of the privilege. Students will be allowed to listen to iPods during work time only after they ask for permission. **Absolutely no cell phones are allowed!**

### **EXPECTATIONS:**

Students are expected to participate in a positive manner in class, which includes asking and answering question and participating meaningfully in class. Students should be attentive and non-disruptive to other students; this includes not talking when the teacher or another student is talking.

All the rules in the student handbook will be enforced. Our goal as a class is to maintain a positive learning environment. This requires a mutual respect for every individual in the classroom, including guest speakers, substitute teachers, and fellow students.

- ✓ Students need to be in the classroom on time with needed materials (includes calculator).
- ✓ Students are expected to participate and remain on task during the entire period.
- ✓ Students are expected to be respectful to the school, teachers, and all classmates.
- ✓ Food and drink are allowed in the classroom only with teacher approval.
- ✓ BE POSITIVE AND HAVE FUN!!

### **ANY DISRUPTIONS TO THE LEARNING ENVIRONMENT WILL RESULT IN THE FOLLOWING:**

- 1<sup>st</sup> Violation: Verbal Warning
- 2<sup>nd</sup> Violation: Removal from the Situation/Written Warning
- 3<sup>rd</sup> Violation: Detention (15 or 30 minutes)/Phone Call to Parent
- 4<sup>th</sup> Violation: Removal from the Classroom

**ANY VIOLATION OF SCHOOL POLICY DURING CLASS TIME WILL RESULT IN IMMEDIATE REMOVAL FROM THE CLASSROOM VIA AN OFFICE REFERRAL.**

## **STI Parent Portal:**

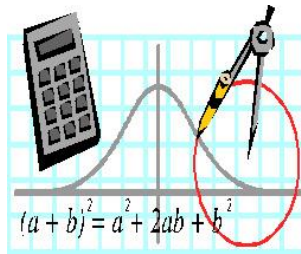
STI Parent Portal is a website that is linked to the school district's student information system. Through this website, parent/guardians have the ability to track their student's grades, homework, progress, attendance and discipline. This information is available anywhere you have an internet connection and is password protected. Parents are encouraged to check this information on a regular basis and become an active participant in their son or daughter's education. Logins and passwords will be made available during registration or upon request. To request a username and password, please send an email to [adavis@canton.k12.mo.us](mailto:adavis@canton.k12.mo.us) with the subject line entitled STI Parent Portal Request.

## **CONTACT INFORMATION:**

Communication between teachers and parents is vital for the success of the students. If you have any questions and/or concerns, please call me at school **during planning time only** (573-288-5216), or contact me by email [kabrown@canton.k12.mo.us](mailto:kabrown@canton.k12.mo.us). **Email is the best way to contact me.**

RETURN BOTTOM PORTION ONLY. KEEP TOP PORTION FOR YOUR RECORDS.

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I have read the syllabus for ALGEBRA 2 and I clearly understand all policies and expectations listed by Mrs. Brown for the 2017-2018 school year.

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Student Name (please print)

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Student Signature

Date

Parent Signature

Date

Email Address

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Phone/Cell Phone

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I prefer to be contacted by

email

cell phone

home phone

other \_\_\_\_\_