



## Algebra 2 Academic & Discipline Plan

**PROUD** to be Crimson Bears; preparing lifelong learners in a challenging and inclusive environment.  
Personalized, Resilient, Optimistic, Unified, Diverse.

<b>Instructor</b>	Ms. Razor	<b>E-mail</b>	<a href="mailto:alexandra.razor@juneauschools.org">alexandra.razor@juneauschools.org</a>
		<b>Website</b>	<a href="http://www.msrazormath.com">www.msrazormath.com</a>
		<b>Twitter</b>	@RazorMath
<b>Office Hours</b>	During enrichment, tutoring hours, and by appointment	<b>Phone</b>	907-523-1592

### Course Description:

In Algebra 2, students will begin by reviewing and diving deeper into key Algebra I topics: equations, inequalities, linear functions, systems of equations, quadratics, and radicals. Students will also learn about logarithms, polynomial functions, rationals, higher-level probability, sequences, and series. In Algebra 2, students will begin to see and apply the patterns used to transform all functions. This Algebra 2 class is designed to help students prepare for Algebra 2/Trig or college algebra. If a student is wanting to take Pre-Calculus, they **must** take Algebra 2/Trig. This class will not cover the needed material for Pre-Calculus

Please note: Enrollment in a yearlong class is a commitment for the entire school year. Requests for changes must include a conference with the parent, student, and teacher.

### Text(s):

Big Ideas Math: Algebra 2, 2019. We will begin using the textbook towards the end of the first quarter. A student can check out a book from the library OR use the online version. Most assignments will be required to be turned in online.

Please note: Many textbooks are issued through the JDHS Library's textbook management system. If a textbook is checked out through the JDHS Library, it must be returned in the same condition at the end of the course or unit of study. Failure to return a book or damage to a book may result in a monetary fine based on the value of the textbook and restricted access to PowerSchool.

### Materials to Bring to Class:

Pencil(s)

A composition or Spiral Notebook (**dedicated to Algebra 2 ONLY**)

Lined paper

Graph paper

Glue Stick(s)

At this time, I am also taking class donations to have supplies to last the entire year. It would be great if each student brought in 1 or 2 of the items listed below.

- Kleenex
- Pencils (preferably Ticonderoga)
- Lined Paper
- Expo Markers (students will use them a lot this year during different activities)
- Glue Sticks

### **Learning Management System:**

The Juneau School District is using Canvas as a system-wide learning management system. This learning management system is designed to support students and families with a simpler and more connected learning experience. It will be one-stop shopping for all of our course assignments, announcements, and other relevant information.

### **Proper Heading for Papers:**

In the top right corner, please include the following:

First Name, Last Initial  
Period  
Assignment Name

Papers need to be easy to read and answers should be circled, boxed, or highlighted. Assignments also **must** be completed in pencil. Full credit will not be given for work done in pen, marker, crayon, etc.

### **Course Syllabus:**

Students are notified of which assignments are due and when upcoming assessments, projects, etc., are due in our Canvas Algebra 2 course. My website, [www.msrazormath.com](http://www.msrazormath.com) will contain helpful videos and other resources that can be used throughout the year.

### **Goals/Objectives:**

1<sup>st</sup> Quarter: Students will review and go into more depth of several topics taught in Algebra I: solving equations, inequalities, systems of equations, systems of inequalities, graphing linear functions, writing equations for linear functions, best-fit lines, absolute value equations, and inequalities, graphing absolute value functions, and graphing functions through transformations.

2<sup>nd</sup> Quarter: Students will continue to review and learn more about topics taught in Algebra I: graphing quadratic functions, solving quadratic equations, monomial and polynomial rules, and factoring polynomials. The new material taught during the 2<sup>nd</sup> quarter will be working complex numbers, solving, and graphing quadratic inequalities.

3<sup>rd</sup> Quarter: Students will begin getting into higher-level Algebra 2 topics, including solving, factoring, and graphing polynomial functions, rational exponents, function operations, inverse functions, and solving radical equations.

4<sup>th</sup> Quarter: Students will learn about exponential functions, logarithmic properties, solving logarithmic equations, graphing logarithms, graphing rational functions, operations with rational expressions, and solving rational expressions. If there is time, we will work on higher-level probability and statistics.

## Curriculum / Standards:

This course will be taught to district standards and district curriculum. The Juneau School District curricular information may be reviewed using the Juneau School District website under the *District – Teaching and Learning Support – Curriculum* at <http://www.juneauschools.org>. The NEW Alaska State Standards can be found on the Alaska Department of Education and Early Development website: <http://www.eed.state.ak.us/standards/>.

## Grading:

Grading will follow the policy adopted by the Juneau School District Board of Education (Board Policy # 6146.7R). As per board policy, semester grades represent the cumulative progress of students.

A = 90% - 100%

B = 80% - 89%

C = 70% - 79%

D = 60% - 69%

F = 0% - 60%

“INC” = Incomplete

Grades will be calculated based on total points earned. Below is a description of each category and how many points they will be worth

### Tests (50%):

Tests will be given at the end of each unit, which will usually be 2 to 3 tests per quarter. Students will be allowed to make test corrections during tutoring hours to raise their test grades. Students will be able to make corrections on their tests up until the next unit test is given.

### Quizzes (25%):

At least one quiz will be given for each chapter. The majority of quizzes will be **open notes**, but there will be a time limit for the quizzes. Quizzes will be announced and unannounced.

### Homework/Classwork (25%):

Homework will consist of note-taking from watching videos, online assignments, and worksheets. Occasionally time in class will be provided to work on the assignment. Homework will be checked for completion (with work shown), and questions will be gone over in class. If you come into class with questions from Homework, it will be your responsibility to write the questions on the Homework Questions Board. The majority of the work done in class will also be graded. Homework grades will be worth 5 - 10 points each. If you do NOT show adequate work with your assignments, you will NOT receive full credit.

Students will be responsible for keeping a notebook. This notebook can be used on quizzes and will be graded after each test. The notebook will be graded on completion, organization, and neatness. This notebook is an excellent tool to help students with their homework and study for tests. We will be using the notebook as a review and summary tool weekly. Notebook grades tend to be worth 20 - 50 points, depending on the chapter's length and depth.

### Extra Credit:

Extra credit will be provided throughout the year. Students need to complete the extra credit when it is given because extra credit will NOT be given at the end of the semester. Extra credit opportunities will also be provided occasionally during tutoring sessions. The majority of the extra credit will be for homework grades. When extra credit is counted as a test grade, students will be aware of it in advance.

PowerSchool is our system used to display grades and work progress. I am committed to updating student records bimonthly at a minimum, recognizing the importance of a live-time feedback system for parents and students. Please ensure that you AND your student have access information to use this system in partnership with me. Grades in Canvas will NOT be accurate. ALWAYS go to powerschool for your most up to date grade information.

### **Late/Make-up Work Policy and Procedures:**

Late work will be accepted, but points will be taken off for being late. **Assignments from a chapter will not be accepted after that chapter test.** When making up late work, students will be required to come in for Enrichment, Lunch, or tutoring to make up the assignments.

### **Resources/Extra Help:**

Tutoring sessions are provided 2 to 3 days per week. Students and parents are also encouraged to visit the class' website, [www.msrazormath.com](http://www.msrazormath.com). The website will include videos to help students and parents understand the material covered in class and other links to websites that can provide more support. Students will also be given access to the Big Ideas Algebra 2 learning website which will have additional practice and support.

### **Tutoring Times**

During the year, the tutoring times may change due to other circumstances. Students and parents will be aware of the tutoring time change through the weekly tutoring schedule in the room and announcements made in class. If the times below do not work for your schedule, we can make arrangements for a time that works for both of us. Below is a list of tutoring times:

Mondays:	8:30 - 9:10
Wednesdays:	Enrichment and 3:45 - 4:30
Thursdays:	Enrichment and 3:45 - 4:30

Weekly tutoring schedule will be posted on the classroom door. Students should understand that if there is a sub, there will **NOT** be tutoring that day. In the spring, tutoring times could be reduced because I will be coaching softball.

I will make every effort to respond to e-mail or phone messages within one school day. I will do my best to make students aware of my daily schedule and provide extra assistance when needed (see tutoring hours above). Students and parents are encouraged to make appointments ahead of time to ensure that I am available.

## **Behavioral Expectations:**

### **Class Rules**

1. Show respect to all people.
2. Show respect for other people's property.
3. Talk at appropriate times and use appropriate language.
4. Bring all the needed materials to class.
5. Be seated and ready to begin when the bell rings.
6. Obey all school rules.

Please note: Students are expected to adhere to JDHS policies, as outlined in the Student Handbook, at all times. Classroom policies may include more specific requirements, but they cannot be relaxed beyond the minimums as set forth in the Student Handbook.

### **Consequences of Misbehavior:**

1. Verbal Warning
2. Student/Teacher Conference
3. Parent Contact
4. Detention with me
5. Referral

Please note: Any action that endangers others, seriously interferes with the learning process, or is significantly disrespectful to staff or students may result in immediate removal from the classroom and/or direct referral to an administrator, thus by-passing above consequences.

### **Food and Drink in Class:**

ONLY water will be allowed in class this year. It needs to be in a closable container/bottle.

### **ACADEMIC DISHONESTY - (From the JDHS Student Handbook):**

Academic dishonesty or "cheating" does not allow for any type of true analysis and is not tolerated. Cheating includes, but is not limited to

1. Procuring, possessing, using, or distributing tests, quizzes, answer keys, teacher manuals, teacher textbooks and similar materials;
2. Any attempt to tamper with or alter a teacher's record or grades;
3. Representing the work of others as one's own work, whether the materials are plagiarized from another student, a published work or some other source, such as an Internet site.
4. Making use of notes or other memory aids during testing, except for those notes a teacher specifically authorizes for student use during a particular test or quiz, and;
5. Obtaining or offering unauthorized information regarding tests or assignments.

The *academic penalty* for all parties involved in cheating is a zero or failing grade for any copied or plagiarized assignment, exam, or quiz. Students will not be allowed to make-up the work. Also, the *disciplinary penalty* for cheating may include an office referral for disciplinary action. Possession and/or unauthorized distribution of testing materials or altering a teacher's records call for severe disciplinary consequences. **Repeat offenses could result in loss of credit for an entire course.**

## **Electronic Devices Guidelines:**

Cell phones, iPods, CD players, and other electronic devices are to be turned off and out of sight during class unless the teacher has given specific permission for their use. If an item is confiscated for violation of class rules, it may be retrieved from the teacher on the first offense. For subsequent offenses, the item will be turned over to an administrator for retrieval.

Ms. Razor's Bring your Device Guidelines:

1. Earbuds and headphones are not allowed unless permitted, Ms. Razor.
2. When you are given permission to listen to music, it may NOT be videos or movies.
3. Devices must remain in your bag, pocket, or on your desk (not in your lap).
4. If you are using your device at inappropriate times, it will be taken and turned into the office.
5. If devices become a distraction, the class will lose this privilege.
6. **NO:** gaming, social media, and taking pictures and/or videos of others without their consent.
7. Additional guidelines can be added by Ms. Razor when the need occurs.

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