



Algebra 2 Academic & Discipline Plan

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Personalized, Resilient, Optimistic, Unified, Diverse.

Instructor	Ms. Razor	E-mail Website	alexandra.razor@juneauschools.org www.msrazormath.com
Office Hours	During tutoring hours and by appointment	Phone	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, system of equations, quadratics, and radicals. Students will also learn about logarithms, polynomial functions, rationals, conic sections, higher-level probability, sequences, and series. In Algebra 2 students will begin to see and apply the patterns used to transform all functions. Throughout the year we will also focus on College Prep and Accuplacer (College Placement Test for Math) Practice.

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, 2015.

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)

Composition Notebook (it may NOT be a spiral notebook)

Lined paper

Graph paper

Graphing Calculator – (TI 84+) *students can check out graphing calculators from the library*

At this time I am also taking class donations so that we 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
- Graph Paper
- Expo Markers (students will use them a lot this year during different activities)

Proper Heading for Papers:

In top right corner, please include the following:

First Name, Last Initial

Period

Date

Assignment Name

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

Course Syllabus:

Students will know which assignments are due and when upcoming assessments, projects, etc., are due by looking at the homework board and the class website (www.msrazormath.com).

Goals/Objectives:

1st 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, and best-fit lines. The new material taught will be solving absolute value equations and inequalities, graphing absolute value functions, graphing functions through transformations, and matrices.

2nd 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. Some of the new material taught during the 2nd quarter will be working complex numbers, solving and graphing quadratic inequalities, graphing polynomial functions, solving polynomial functions, rational exponents, function operations, inverse functions, and solving radical equations.

3rd Quarter: Students will learn about exponential functions, logarithmic properties, solving logarithmic equations, graphing logarithms, graphing rational functions, operations with rational expressions, solving rational expressions, and graphing conic sections (circles, parabolas, ellipses, and hyperbolas). This will be the first quarter where all material will be new to students.

4th Quarter: Students will learn about probability, statistics, sequences, and series. If there is time, students will also be introduced to trig ratios and functions.

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 web site 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 # 5420R). 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 (100 points each):

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 grade. Students will be able to make corrections on their test up until the next unit test is given.

Quizzes (50 – 75 points each):

Several quizzes will be given for each unit. All quizzes will be **open notes**, but there will be a time limit for the quizzes. Quizzes will be announced and unannounced.

Homework/Classwork (5 – 10 points each):

Homework will be assigned 3 to 4 times a week. 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 work done in class will also be graded.

Notebooks (10 – 25 points each):

Students will be responsible for keeping an interactive notebook. This notebook can be used on quizzes and will be graded during 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 on a weekly basis.

Extra Credit (5 – 10 points each):

Extra credit will be provided throughout the year. It is important for students 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.

PowerSchool is the system used to display grades and work progress. I am committed to updating student records bi-monthly 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.

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. 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. Throughout the year students will use other websites like Quizlet and Khan Academy. All websites and additional resources will have links from the main class website, www.msrazormath.com.

Tutoring Times

During the year the tutoring times may change due to other circumstances. Students and parents will be aware of the tutoring time changes through the weekly tutoring schedule in the room and announcements made in class. If you are unable to attend a tutoring time because of a scheduling conflict, it will be important for you to talk with Ms. Razor and make arrangements for the possibility of an alternate tutoring time.

Monday: 3:45 pm – 4:30 pm

Tuesday: 8:15 am – 9:15 am

Wednesday: Enrichment Period & 3:45 pm – 4:30 pm

Thursday: 8:15 – 9:15 & Enrichment Period

Students should understand that if there is a sub, there will not be tutoring that day.

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 to 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. Students may also receive extra help through the **JDHS Learning Center** located in the school library.

Behavioral Expectations:

Class Rules

1. Show respect to all people.
2. Show respect to other people's property.
3. Talk at appropriate times and use appropriate language.
4. Bring all 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:

Students are allowed to have food and drink in class as a privilege. If a student is late to class they will lose that opportunity. If a student does not clean up after themselves, they will lose that privilege. If a pattern occurs where multiple students are leaving messes, then the entire class will lose their privilege.

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:

1. Ear buds and headphones are not allowed unless given permission from Ms. Razor.
2. When you are given permission to listen to music, it may NOT be videos or movies.
3. Device 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 other without their consent.
7. Additional guidelines can be added by Ms. Razor when the need occurs.

PLEASE NOTE THAT EACH ACADEMIC/DISCIPLINE PLAN REQUIRES A SIGNATURE FORM TO BE RETURNED TO EACH TEACHER. THESE FORMS WILL BE GIVEN TO STUDENTS IN CLASS.