Burbank High School

Syllabus

# **Teacher: Myranda Hess Subject: Algebra II**

# **E-mail: mhess1@saisd.net School Year: 2019-2020**

#### Course Description

This course is designed to build on algebraic and geometric concepts developed in Algebra I and Geometry.  It develops advanced algebra skills such as systems of equations, advanced polynomials, quadratics, logarithmic, square root, cube root, absolute value, rational functions, and their related equations.  The content of this course are important for students’ success on both the ACT/SAT and college mathematics entrance exams.

#### Course Goal

The course goal is that 100% of students are prepared to move onto the next level Math class and have college level Algebra skills and Understanding.

#### Course Content

**The following units are to be covered:**

|  |  |  |
| --- | --- | --- |
| **1. Intro to Functions in Algebra II** | **2. Absolute Value Functions, Equations, & Inequalities** | **3. Systems of Equations & Inequalities** |
| **4. Expressions, Factoring, & Equations with Rational Expressions** | **5. Quadratic Relations, Equations, & Inequalities** | **6. Square Root Functions & Equations** |
| **7. Cubic & Cube Root Equations & Functions** | **8. Rational Functions & Equations** | **9. Exponential Functions & Equations** |
| **10. Exponential & Logarithmic Functions** | **11. Linear, Quadratic, & Exponential Data Models** |  |

#### Grading Criteria

**The student’s semester grade will be based on the following:**

|  |  |  |
| --- | --- | --- |
| * Assignments   + Homework   + Classwork   + Participation | 60% |  |
| * Assessments   + Tests   + Projects   + Quizzes | 40% |  |

#### Grading Break Down

* W**arm Ups:** 
  + The warm up is given everyday in the first 7 minutes of class. It will be graded daily fro completion and will be worth 5 points. If absent or tardy, warm ups can be made up, but must be turned in by Friday of that week. If not turned in by Friday, student will receive a zero.
* **Class Work and Notes:** 
  + Notes are expected to be taken everyday. Classwork and Notes are graded for completion and worth 25 points weekly. All Classwork and Notes needs to be dated and placed in the Classwork tab of the student’s binder and turned in on Friday. If student is absent on Friday, than they must show the binder to the teacher upon arrival on the first day the student returns to school.
* **Participation:**
  + Students must participate in class everyday. Participation is graded daily. Students receive 100% participation if they do any of the following things:
    - Answer questions
    - Ask questions
    - Participate in group discussion
    - Explain a concept
    - Put their work on the board
    - Share ideas with class
    - Contribute to a positive learning environment
* **Exit Ticket:**
  + The exit ticket is given everyday in the last 7 minutes of class. It will be graded daily and it will be worth 10 points. Exit Tickets can be made up, but must be turned in by Friday of that week. If not turned in by Friday, student will receive a zero.
* **Homework:**
  + Classwork will turn into homework if not completed in class. Students should attempt each problem and show all work to receive full credit. Homework will be accept up to three days after the assigned due date for 50%. **If you are absent, any classwork or homework assignments that are missed is your responsibility to make up.**
* **Unit Exams**
  + There will be 6 unit exams. The dates will be told ahead of time, and there will be a review session prior to Unit exams.

#### Materials Needed Daily

* 1 inch 3 Ring Binder
* 1 pack of Binder Dividers with 5 tabs
* 2 packs of College Ruled Loose Leaf Paper
* Pencils and Erasers

#### Make-Up Work Policy for Absences

* All assignments missed because of an excused absence will be made up by the end of the week of the student’s return to class. Assignment not made up will be graded as a zero. **All missed quizzes and exams must be made up before or after school.**

#### Tutoring

#### Tutoring is available after school Monday, Tuesday, Wednesday, and Friday.

#### I will let you know if I will not be available ahead of time.

#### Classroom Expectations

* Working towards class’s semester goal.
* Providing your perspectives, questions, and comments.
* Keeping in mind the feelings and perspectives of others
* Arriving on time to class with all materials
* The use of profanity is prohibited and will not be tolerated
* Eating and drinking are prohibited in the classroom with the exception of water
* Completing all assignments given
* Cell phones have to be out of sight

#### Behaviors that will lead to behavioral consequences

* Usage of profanity
* Eating and drinking in class
* Putting on make-up
* Usage of Cell phone devices or other electronics
* Writing on textbook, desk, walls, etc.
* Tardies
* Not doing work in class
* Disrupting the learning of others
* Not meeting classroom activity expectation
* Talking while teacher or classmate is talking

#### The consequence for these behaviors can include:

* Verbal Warnings
* Student-teacher conference and Parent phone call/conference
* Referral to assistant Principal

#### Rewards for positive behavior include:

* Class shout out
* Extra credit points
* Homework Pass
* Positive Phone Call Home
* Recognition on student work wall
* Food or snacks
* Special seat

##### Dear parents and students:

The math department of Burbank High school is actively working to inform parents and students of the course work expected to ensure successful completion of each particular course of study. Outlined here are the minimum requirements necessary for achieving a passing grade in Algebra II. The instructor will give students in order to succeed in this course. Parents should feel free to contact the teacher whenever a question of any kind may arise. Both parent and student will please sign this syllabus acknowledging that you have read the class syllabus and agree to the rules and expectations that were explained and then return it to the teacher as soon as possible.

Thank you for your assistance in this matter.

Parent/Guardian:

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## Print name Signature Date

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**Email Phone number**

Student:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Print name Signature Period

**\*\*\*Please sign and return to school the next day. This is your first homework grade. \*\*\***