

## Portland Public Schools Syllabus for the school year 2019-2020

Instructor: Vic Moser, Math Teacher, Franklin High School

Subject: Algebra 3-4

Type of credit earned: 0.5 math credits per passing semester

Prerequisite: Successful completion of Geometry 1-2 both semesters

Contact information: [vmoser@pps.net](mailto:vmoser@pps.net)

Flex locations: A-days only – room number TBD

**Course Description:** Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will continue their study of statistics. This includes making connections between previous concepts learned about summary statistics and their relation to probability distributions. They also identify different ways of collecting data and the role that randomness plays in the conclusion that can be made. Students deepen their understanding of these topics as they work both individually and in groups to solve problems, to apply the mathematics and to communicate their reasoning. Grades are based on students' homework, exit tickets, quizzes, and tests.

### For this class, you will need the following:

-Pencil with eraser

-A graphing calculator – please bring to class, there are not enough at school for every student. .

-Three ring binder or similar to keep notes and homework.

\*Optional\* Colored pencils or highlighters

### Communication Tools

Canvas: The syllabus, calendar, assignments, and notes will be available on Canvas.

Synergy Parent/StudentVue: Grades will be updated often with marks for homework completion scores and quiz/test scores.

### Behavioral Expectations

1. We are on time, prepared, and ready to learn.
2. We will use electronic devices only when instructed to do so.
3. We will risk being wrong and be prepared to learn from our mistakes.
4. We will be comfortable asking questions and advocating for ourselves.
5. We will demonstrate learning in multiple ways.

### Assessments for the course

Students may demonstrate proficiency through their homework, exit ticket, quiz, and test or project scores. Multiple opportunities on quizzes, tests, and projects are available.

**Homework** Homework will be assigned every class period, is graded on a 4 point scale, and will be checked for completeness at the beginning of each class. All work must be shown in order to

receive credit. Homework questions will be answered every day. Late homework will be accepted for half credit, the last day to turn in late homework will be the day of the Unit Test. If a student misses class they are responsible for obtaining the missed homework. Any student unable to complete homework due to illness should speak to the teacher about this.

### Exit Tickets

Exit tickets are completed most lesson days (not test days) to show preliminary mastery of a new learning target. They are usually 1-4 questions meant to be completed in 10 minutes or less. Exit Tickets are a tool to help the teacher and students monitor daily progress.

### Quizzes and Tests

Each unit will have a quiz (or two) and test (or project). Tests and projects are graded on a point scale. Missed quizzes may be made up or retaken until the day of the Unit Test. To be eligible for a retake, a student must first complete all missing homework assignments from that unit, and must make corrections to the test. Test corrections include going through each missed question and correcting the work to achieve the correct answer, as well as at least one sentence about the misconception that the student had. Once this is completed, the student may retake the test. Test corrections may be completed during A Flex periods, or before school, after school, and lunch by appointment. A quiz retake will replace the original score. **FOR UNIT TESTS, THE ORIGINAL SCORE AND RETAKE SCORE ARE THEN AVERAGED TO CREATE THE NEW SCORE IN THE GRADEBOOK.** The retake score is NOT the score that will go into the gradebook. Final exams may not be retaken

### Grading criteria

Assignment Category Weights:	90.0% or better = A
Grade From Previous Teacher: 40%	80.0%-89.9% = B
- 7 of 17 weeks of instruction	70.0%-79.9% = C
Homework: 10%	60.0%-69.9% = D
Quizzes: 20%	59.9% or below: F
Tests/Projects: 30%	

**Effective date of syllabus: 10/14/19**

**School year: 2019-2020**

Please fill in, detach below the dotted line, and return the bottom portion to Mr. Moser as your first homework assignment.

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We, \_\_\_\_\_ & \_\_\_\_\_ (Parents Guardians), have read and understand the expectations set forth in the syllabus for Mr. Moser's Algebra 3-4 class.

\_\_\_\_\_  
Student Signature and Date

\_\_\_\_\_  
Parent/Guardian Signature and Date

