**ALGEBRA I COURSE SYLLABUS**

**2020/2021**

**Instructor:** Mrs. Rosa DeMaria – Phone (586) 200-0143

**Congratulations on qualifying for a high school credit while in 8th Grade! I am looking forward to the school year and this class.**

Email: rdemaria@austincatholichighschool.org

Google Classroom

**Textbook:** *Algebra 1 Common Core by Pearson – 2015 copyright & Online textbook*

**Course Description/expected course learning:** Students will learn the fundamentals of Algebra and build on their organizational and time management skills.

**Objectives:**

Upon completing this course students should be able to:

* Identify a function; list its domain and range; and represent it with a rule, table, graph, and context
* Find and interpret the slope and intercepts of a linear equation
* Represent linear functions algebraically in multiple ways and translate between forms
* Find and interpret the intercepts, axis of symmetry, and vertex of a quadratic function
* Represent quadratic functions algebraically
* Represent growth and decay with exponential functions
* Recognize and represent arithmetic and geometric sequences, including using tables, graphs, and either recursive or explicit formulas
* Solve equations and inequalities using a variety of strategies
* Solve systems of linear and nonlinear equations and inequalities graphically and algebraically
* Solve real world problems/applications
* Analyze data and make inferences and conclusions

**Daily Routine:**

Our class periods will consist of lecture, many example situations/problems, homework, and group work (when normal class periods are enforced per Governor, AOD & SL). Class will begin with a quick recap or intro of new topics. Then homework will be checked in class and time for questions. There will be lecture and note taking time. There will be times when students will be able to work in a group (depending on restrictions)¸ participate, and present information. Students will use technology daily including graphing calculators, online resources (Pearson, DESMOS, Padlet, etc.), laptops, and iPads. Students are NOT permitted to use any electronic devices unless given specific permission to do so.

**Homework Policy:**

Homework will be given daily. Homework is usually assigned at the end of the class period. **It needs to be completed by the next class period**. Homework assignments will only be accepted up to one class period late for credit **once** per quarter. **Homework checked during class must be corrected in red pen.**

**Assessments and Grading:**

Tests/quizzes will be given frequently. Some of them will be unannounced.

Quarter Grading Components:

* Daily practice, including classwork, homework, participation, and having supplies (30%)
* Assessments: Test, Quizzes, & Projects (70%)

Semester Grading Components:

* Quarter grades (40% each)
* Comprehensive semester exam (20%)

Grading:

* All work needs to be shown step by step neatly for credit.
* Do all work *in pencil. Homework needs to be checked in red pen.*
* Homework assignments will only be accepted up to one class period late for credit **once** per quarter.
* We will follow the Austin’s Grading scale (Archdiocese High School). In high school, a 90% is still an A-. Please contact me if there is any confusion. This Algebra course grade is not calculated in your St. Lawrence GPA.

**A 100-94%, A- 93-90%, B+ 89-87%, B 86-84%, B- 83-80%, C+ 79-77%, C 76-74%, C- 73-70%, D+ 69-67%, D 66-64%, D- 63-60%, F 59-0%**

**Expectations of Students:**

* All Austin Catholic School Policies (behavior, SL dress code including masks, absences, tardiness, etc.) will be enforced.
* **Students are expected to be courteous and kind to all at all times.** This is the most important expectation in our class. SL White Slips/Detentions will be given out if there is a behavior problem.
* Students must be in their seats and prepared to work when the starting bell rings with paper and pencil.
* It is the **student’s responsibility** to make arrangements to take any missed assessments and turn in late assignments when absent. Failure to do so upon return to school will result in a zero. This is a high school course, students will be held accountable.
* Technology – Please bring calculator to class only to be used when appropriate, SL will provide Laptops, etc.

**Required Materials:** Please refer to the 2020-2021 Algebra I Supply List. Students should be in their seats ready to work when the bell rings. Textbook opened to last section we worked on, pencils, red pen, math only notebook, math only folder, and calculator ready (preferably graphing). Students need to talk **very quietly** when working in groups when we can resume normal class periods.

**Distance Learning –**

If we need to move to distance learning due to COVID 19, we will be using Google Classroom. I plan on having synchronous attendance counted class periods via Google Meet or Zoom 3 times a week with Wednesdays being a day of individual questions/extra practice for those interested or some may be required to attend. Fridays will be asynchronous class time.

**Please electrically sign and return this page only indicating that both the student and his/her parents/guardians have read this Syllabus. This is the first graded homework assignment for Algebra1 and is due September 8. Do not print.**

**PLEASE COMPLETE & SEND IN GOOGLE CLASSROOMS THE FOLLOWING ACKNOWLEDGEMENT**

**RETURN VIA GOOGLE CLASSROOM BY TUESDAY, SEPTEMBER 8, 2020.**

**I have read this entire syllabus for 2020-2021 Algebra 1 for Austin Catholic at SL.**

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| **Student Name** |  |
| **Student Signature** |  |
| **Parent Name** |  |
| **Parent Signature** |  |
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