Algebra 1 Part 2P Syllabus

Algebra 1 Part 2P Pacing Guide

3rd Quarter:

Chapter 8: Solving Systems of Linear Equations and Inequalities (SOL’s:A.3, A.6, A.9)
  ➢ Graphing Systems of Equations Using A Calculator (graphing menu-GSolve)
  ➢ Solving Systems of Equations Using The Equations Menu On Graphing Calculator (Equations/Simultaneous Menu)
  ➢ Solving System Of Equations Word Problems (Define Variables/Set Up By Hand/Solve On Calculator)

Chapter 9: Special Lines & Systems
  ➢ Line of best fit
  ➢ Scatter Plots, Median Line Best Fit
  ➢ Making linear tables when given an equation
  ➢ Using Linear tables to predict missing y values
  ➢ System of Equations Word Problems (Using equations menu – simultaneous equations)
  ➢ Simplifying Radical expressions involving variables
  ➢ Parallel & Perpendicular Slopes & their equations

Chapter 10 (J): Linear Inequalities
  ➢ Graphing Linear Inequalities on a calculator
  ➢ Graphing Systems of Inequalities

Chapter 11 (K): Quadratics
  ➢ Parabolas
  ➢ Graphing Parabolas
  ➢ Roots of Parabolas
  ➢ Axis of Symmetry
  ➢ Vertex of Parabolas
  ➢ Maximum & Minimum of Parabolas

Chapter 12 (L): Monomials & Polynomials
  ➢ Exponents
  ➢ Multiplying Monomials
  ➢ Dividing Monomials
  ➢ Powers of Monomials
  ➢ Negative Exponents
  ➢ Expressions in Scientific Notation
  ➢ Adding & Subtracting Like Terms
  ➢ Perimeter of simple geometric shapes involving variables
  ➢ Adding & Subtracting Polynomials
  ➢ Simplifying Expressions involving the Distributive Property
  ➢ Multiplying Binomials (FOIL)
  ➢ Multiplying Polynomials

4th Quarter:

Chapter 13 (M): Statistics
  ➢ Mean, Median, Mode, Range
  ➢ Standard Deviation (on calculator)
  ➢ Box-And-Whisker Plots
  ➢ Lower Quartile, Upper Quartile, Median
  ➢ Comparison of box-and-whisker plots
  ➢ Normal Bell curve
  ➢ Z-score formula
SOL Review (4-6 Weeks)
- Virginia SOL Coach Books
- Take Released Tests & Go Over
- Take Practice Plain English Test & Go over
- Review Commonly Missed SOL Questions Power-Point Released by VDOE
- While Reviewing SOL Material Make a note of things classes struggle with and re-teach

This class is designed for students who struggle in math and do not intend to get an advanced diploma. All essential Algebra concepts needed to pass the Algebra 1 SOL will be covered. The use of a graphing calculator will be extensive in this class. (This class is ideal for students who would like to attend Valley Vocational Technical School, and only need basic math required for graduating high school)

Augusta County Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>98-100</td>
</tr>
<tr>
<td>B+</td>
<td>88-89</td>
</tr>
<tr>
<td>C+</td>
<td>78-79</td>
</tr>
<tr>
<td>D+</td>
<td>68-69</td>
</tr>
<tr>
<td>F</td>
<td>0-59</td>
</tr>
<tr>
<td>A</td>
<td>90-99</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>D</td>
<td>60-61</td>
</tr>
</tbody>
</table>

Classroom Rules and Expectations:
1. **No food** in the classroom, unless it is a medical necessity.
2. Drinks with screw top lids are allowed. If drinks are spilled, you clean up your own mess.
3. No hats or other head cover in the classroom. **Augusta County dress code will apply.**
4. Be respectful to yourself, other students, and the teacher.
5. Homework must be completed daily (if not finished in class, it must be completed at home).
6. All cell phones, i-pods, and other electronic devices must be turned off in the classroom. (If you have one of these items and it goes off, or you use it in class, it will be turned in to an administrator).
7. You must stay in your seat until the bell rings to end class. You are to work on completing your assignment until one minute before the bell rings. You can then close up for the day.
8. Students are to remain in the room the entire class block, you are expected to take care of personal needs (bathroom, water, locker) before you arrive to class.
9. Students are expected to report to class on time. If a student is tardy, they must present a pass from another teacher. If they cannot produce a valid pass, they will be marked as unexcused. A student with 3 unexcused tardy slips will be referred to administration.
10. Book bags must be kept out of the aisles. Put them in the back of the room, or under your desk.
11. All students are required to complete all assignments, if they do not, the student will earn an incomplete for a six weeks until assignments are completed and turned in.
12. When absent, all assignments must be completed within three days of the absence. If you are aware of an absence ahead of time, please get your assignments before the absence. All assignments will be posted on the wall of the classroom, along with copies of missed worksheets & notes. The student will be responsible for picking up and completing missed work.
13. I will work with you if you are absent for a test or quiz, you may be required to come in before or after school, this will be determined on an individual basis. Students who are absent on the original day a test or quiz was given are ineligible for a "curved grade" or extra points.
14. If you have a question, ask! I’m here to help!
Every student will receive a progress report mid-way through each marking period.

Every student will be required to complete an exam at the end of the semester.

The Infinite Campus Grade-book will be updated weekly.

Needs for the class:
   Three-ring binder, paper, pencils

SOL tests will be given to all students in Algebra 1 Part 2P second semester.

Quarter Grade Averages:
   Your grade for the quarter is based on several things:
   • 45% Test Scores
   • 45% Quiz Scores
   • 10% Homework/Class work/Participation
   • **Students may have a test grade based on attendance each marking period – Students need to be in class in order to be successful!

   Expectations for Teachers and Students with Lab Devices
   • Teachers will closely monitor all students’ use of devices
   • Teachers will have a list of students assigned to each numbered device in each class
   • Users are responsible for proper use of devices
   • Devices must be carried with both hands
   • Users must keep devices within sight of teacher (not carried in book bags or desks)
   • Users must keep keys in proper locations, removing keys and switching keys will result in loss of privileges to use devices
   • Users may only connect something into a port on device with teacher permission
   • Users report any problems immediately to teacher
   • Users save their work and shut down device when finished; make sure the screen is black
   • Teachers will return devices to the cart in the correctly-numbered slots in the cart
   • Teachers will ensure that all cables are arranged neatly in carts
   • Teachers will ensure that carts are locked and secure
   • Teachers will return the lab cart to the proper storage location before they leave school for the day
   • Use only dry microfiber cloth to clean screens

If you have questions or concerns I can be contacted via email: tscash@augusta.k12.va.us, or by phone: 337-1921

The Augusta County School Board does not discriminate on the basis of race, color, national origin, religion, age, disability, or gender in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding nondiscrimination policies:

Title IX Coordinator
Jill R. Martin
Director of Personnel
PO Box 960
18 Government Center Lane
Verona, VA 24482
(540) 245-5107

Section 504 Coordinator
Douglas W. Shifflett, Jr., Ed.D.
Asst. Superintendent for Administration
PO Box 960
18 Government Center Lane
Verona, VA 24482
(540) 245-5108