Pre-Algebra Syllabus
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Course Description
Students will review operations with exponents, decimals, percent, integers, and fractions. They will be able to solve equations and inequalities. Ratios and rates will be used to solve proportions as well as applications involving congruent/similar figures. Students will be able to identify geometry concepts such as lines, planes, and angles. They will practice using formulas to find the perimeter, area, and volume in a variety of shapes. Students will also work with patterns, formulas, data display and analysis, probability, and word problems. A basic calculator is required for this course. Students will be introduced to the TI-84 graphing calculator.

Course Goals
The primary goal of this course is for students to use and understand basic Pre-Algebra terminology. Students will utilize operations with rational numbers and use the order of operations to evaluate numerical and algebraic expressions. Students will solve simple one-variable equations.

Mission Connection
LCCS exists to glorify God as a community of faith and learning dedicated to forming disciples of Jesus Christ, pursuing goodness, truth, and beauty, cultivating wisdom and virtue, and furthering the highest ideals and practices of human flourishing. This course supports the LCCS mission by seeking to develop the skills necessary to understand the key concepts in mathematics, and through the study of mathematics, students learn how to think logically, creatively, and analytically. The field of mathematics displays a miracle of applicability and order by which we may better understand the attributes of our God. Some students may recognize their abilities in mathematics and choose this field as a course of future study by which to glorify God.

Textbook and Required Materials
- Textbook - *Pre-Algebra* Common Core Edition (Holt McDougal 2012)
        Larson, Boswell, Kanold, and Stiff
- one three ring binder
- loose leaf paper for binder (for homework assignments)
- pencils and eraser
- Calculator (scientific or TI-84 graphing calculator)

Classroom Procedures
- Arrive on time and be prepared with completed assignments and supplies.
- Begin participating in the introductory activity as soon as you arrive.

- Use class time wisely. You lead busy lives and the best time to complete your coursework is during class when you have the assistance of your teacher and peers.
- ASK Questions! I welcome and encourage good understanding...smart people ask questions!

Classroom Expectations (Student Learning Agreement)

God has created us each uniquely. He has also created us to worship Him with our efforts in everything that we do. Seeking to perform at the highest level of excellence is an act of worship to our Creator. As such, I agree to the following:

- I will be **ON TIME** for all classes every day.
  I understand that a total of three unexcused tardies to any and all of my classes will result in an immediate before or after-school detention.
- I will be **PREPARED** for class every day.
  I will have a writing utensil, paper, my textbook, and any other necessary resources for success in the classroom. Not being prepared for class may result in a deduction of points from my class participation grade.
- I will **COMPLETE** all assignments on time.
  I understand that late assignments will result in a deduction of 10% of the assignment grade *per day* that the assignment is late up to 50%. After 5 days, the grade becomes a zero for the assignment. Late work will not be accepted for credit but may still be required to be completed.
- I will **RESPECT** my instructor(s), any LCCS staff member, volunteer(s), classmates, and other students in other grades.
  Profanity, rude gestures, cruel teasing or put downs will not be tolerated. Such behavior(s) will first be addressed and managed by the instructor. If such behavior(s) continue students may be referred to the Dean of Students.
- I will keep my **CELL PHONE OFF** and away at all times during the school day (8 am-3:10 pm).
  I understand that if my cell phone is visible or on, the instructor will confiscate the device and the Student Handbook Cell Phone Policy will be followed.

Discipline

To instruct and govern; to teach rules and practice, and accustom to order and subordination (Noah Webster 1828). Discipline is done in the classroom as necessary to maintain a safe, orderly and conducive-to-learning environment for all students. Students whose behavior is deemed by the teacher to be disrespectful and/or disruptive to the teaching and learning processes by any means will serve the following consequences:

- 1st offense **–** verbal warning. (seating may be changed)
- 2nd offense – The student will have a meeting with the instructor and parent(s) will be contacted.
- 3rd offense – The student will be given a detention and will be referred to the Dean of Students.

Students removed from class due to disciplinary problems are responsible to acquire any missed work or notes.

Course Outline

Chapter 1: Variables, Expressions, and Integers
Chapter 2: Solving One Step Equations and Inequalities
Chapter 3: Multi-step Equations and Inequalities
Chapter 4: Factors and Exponents
Chapter 5: Rational Numbers
Chapter 6: Ratios, Proportions, and Probabilities
Chapter 7: Percents
Chapter 8: Linear Function
Chapter 9: Real Numbers and Right Triangles
Chapter 10: Measurements
Chapter 11: Data Analysis
Chapter 12: Angles and Transformations

Major Assignments

Typically, there will be one to two quizzes per chapter and a chapter test OR project (as a test grade) at the end of each unit. The mid-term will be cumulative from the first half of the school year and the final exam will be cumulative from the mid-term til the end of the year.

Homework

Homework assignments will be given almost every school day. Your assignment will be posted on the homework whiteboard each day. Each homework assignment that is checked will be worth 10 points. Homework will be *periodically* checked through-out each marking period and is graded based on COMPLETION. That means that if you TRY EVERY ASSIGNED PROBLEM then you will receive the full 10 points, correct answer or not. BUT, if you forget to do a problem or struggle with a problem and leave it blank then your assignment is considered incomplete and you will receive a ZERO for that homework assignment. It's alright to be wrong. Homework is practice and chances are you will not get all the problems correct the first time. Being wrong is how we learn…..just remember…..It's all or nothing for homework. **No late or made up homework will be accepted**, and that is because I will go over homework answers almost every day at the start of class. If there is a problem that you do not understand and cannot get an answer for, then please write at least three sentences describing what you tried and why you got stuck. This will suffice as complete (should I check that assignment). ***Please note that this policy is different from the homework policy stated in the school handbook.***

Assessments

A test or quiz is very different from homework. It is not practice. Rather, a quiz or test shows me what you know at the moment. A test may be corrected (no quiz corrections). You have one week from the date of receiving your graded test back to complete test corrections. The process for test corrections goes like this: obtain the test corrections handout(s) from Mrs. Garver, fill out the handout….SHOWING ALL YOUR WORK and the new correct answer, attach it to your test and place it in the bin on the table in the front of the room. If your corrections are right, you will receive ½ credit back for each correct problem (i.e. if you lost two points on a problem and you corrected it correctly then you will earn back 1 point).

Field Trips
None scheduled at this time

Grading Overview
Weighted Structure

- 40% Tests and Projects
- 30% Quizzes
- 20% Homework and Classwork
- 10% Class Participation

Grading Scale	
4.0 = A = 93-100	2.0 = C = 73-76
3.7 = A- = 90-92	1.7 = C- = 70-72
3.3 = B+ = 87-89	1.3 = D+ = 67-69
3.0 = B = 83-86	1.0 = D = 63-66
2.7 = B- = 80-82	0.7 = D- = 60-62
2.3 = C+= 77-79	0 = F = 0-59

Class Participation and Attendance
All activities within the classroom are expected to contribute to an atmosphere of learning in which respect, involvement in learning, and a positive attitude are essential components. Attendance will be taken at the start of each class period when the bell rings. If the student is not in their seat when the bell rings he/she is considered late unless they have a signed pass from another teacher. In my classes, all students start with a 100% class participation grade. As long as students are actively engaged in class activities and class discussions without being disruptive and are ready and prepared for class, they will keep the 100%. However, when students break the class expectations referenced above, class participation will be lowered as mentioned.

Make-up Work
Outlined in the student handbook (with the exception of the classroom homework policy). No late homework accepted!!

STUDENT: I have read this syllabus and understand what is expected of me.

Signature _____ Date_____

PARENTS: My child has discussed the syllabus with me. I understand it and will support it.

Signature _____ Date_____