

# Legacy High School A Global Studies School



## Course Expectations Pre-Algebra HS (4712)

2018-2019

**Instructor:** Mrs. Carol Ann Jones  
LHS Room 819

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### Course Scope:

#### PRE-ALGEBRA/Fundamental Concepts of Math

This one-year course designed for freshman-level students provides the necessary knowledge and skills to successfully complete algebra and geometry coursework. This course builds on the concepts of number operations with integers, decimals, and rational numbers; word problems and reasoning skills; data analysis; probability; geometry; measurement; spatial sense; patterns; and beginning algebra. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The use of technology, including calculators and computer software, is an integral part of this course. While this course fulfills one of the mathematics credits required for high school graduation, it does not meet the core requirements for the National Collegiate Athletic Association (NCAA) or the Nevada System of Higher Education (NSHE) core requirements for university admission.

Approved November 2008, revised November 2011.

CPD-MTH-SG-4712

### Course Goals:

1. To develop the Standards for Mathematical Practice. [CCSS]
2. To know that there are numbers that are not rational and approximate them by rational numbers. [CCSS: 8.NS]
3. To work with radicals and integer exponents; understand the connections between proportional relationships, lines, and linear equations; and analyze and solve linear equations and pairs of simultaneous linear equations. [CCSS: 8.EE]
4. To represent and analyze relationships or patterns using models, tables, verbal rules, equations or inequalities, graphs, and functions. [NS: 1.8.2, 2.8.4, 2.8.5, 4.8.3]
5. To develop informal and formal strategies for solving and graphing linear equations and inequalities in one variable. [NS: 2.8.6, 4.8.5]
6. To define, evaluate, and compare functions; and use functions to model relationships between quantities. [CCSS: 8.F]

7. To understand and apply the Pythagorean Theorem; and solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. [CCSS: 8.G]
8. To add and subtract polynomials. [NS: 2.8.3]
9. To solve problems using direct and indirect measurement techniques. [NS: 3.8.5]
10. To identify congruent and similar two-dimensional shapes by recognizing proportional relationships among angles, side lengths, perimeters, and areas using concrete models, transformations, sketches, and graphical representations. [NS: 4.8.2, 4.8.3, 4.8.6, 4.8.8]
11. To measure angles, distance, perimeter, area, and volume using correct size and types of units. [NS: 3.8.2, 3.8.3, 4.8.1, 4.12.1]
12. To use formulas to calculate circumference and area of circles, perimeter and area of triangles and quadrilaterals, and volume and surface area of prisms, cylinders, pyramids, and cones. [NS: 3.8.3, 4.8.6]
13. To collect, organize, display, and analyze data. [NS: 5.8.1, 5.8.2]
14. To investigate patterns of association in bivariate data. [CCSS: 8.SP]
15. To conduct probability experiments, compare experimental and theoretical probabilities of an event, define the odds of an event, and determine the number of outcomes of an event using counting techniques. [NS: 5.8.3, 5.8.5]

## **Textbook**

The following text will be utilized in this course:

Pre-Algebra                      Authors: Larson-Boswell-Kanold-Stiff  
 Copyright 2005 by McDougal Littell

## **Student Supplies**

Students are expected to have and maintain the following supplies all year:

- Loose leaf paper
- Pencil/Erasers
- Composition Notebook for Cornell Outlines and Practice Problems

## **Tardy Policy**

Tardiness is a serious disruption to the educational program. Every student is required to be in his/her seat when the tardy bell rings. With that in mind, the Legacy High School Tardy Policy will be strictly enforced. On the first and second tardy, the student will be warned; on the third tardy, the parent will be contacted; on the fourth tardy, a detention will be assigned; on the fifth and all subsequent tardies, the student will be sent to the deans' office and placed on a Required Parent Conference (RPC). One half hour tardy equals one absence.

## **Grading Policy**

**All scores will be rounded to the nearest whole number.**

- Grading Scale:
  - 89.5% - 100% A
  - 79.5% - 89.4% B
  - 69.5% - 79.4% C
  - 59.5% - 69.4% D
  - Below 59.5% F

- Grading Procedures:
  - Bell Ringer 10%
  - Classwork 30%
  - Quizzes & Tests 30%
  - Participation 30%
- Semester Grades: 45% Quarter 1/3 Grade  
 45% Quarter 2/4 Grade  
 10% Semester Examination

Standards of Preparation: Proficient levels of spelling, grammar, neatness, and adherence to basic standards of preparation are expected. Should these levels of preparation not be met, the student will be asked to re-submit their work before receiving credit.

### **Make-up Work, Late Work, and Attendance**

- Make-up procedures:
  - Before or within three school days after an absence, students are required to initiate contact with the teacher to obtain appropriate makeup work.
  - Students must submit make-up work within the time determined by the teacher for full credit, unless other arrangements with the teachers are made.
  - Students are responsible for scheduling before or after school times to make-up tests/quizzes.
- Late Work: Assignments turned in after the deadline and before the end of the unit covering the material, will be credited (at most) 50%. The end of the unit is the latest any work will be accepted for any possible credit consideration.
- Hours of Availability – I plan to be available from 1:30 pm to 3:30 pm daily. Please feel free to contact me for reserving time just for you.

### **Attendance**

After the seventh unexcused absence, students will be denied credit and will receive an “F” for the course.

### **Tardy Policy**

Tardiness is a serious disruption to the educational program. Every student is required to be in his/her seat when the tardy bell rings. With that in mind, the Legacy High School Tardy Policy will be strictly enforced. On the first tardy, the student will be warned; on the second tardy, the parent will be contacted.

## **Classroom Behavior Expectations**

- Discipline Plan
  - Student Warning/Conference with student
  - Contact Parent/Guardian
  - Teacher's Detention/Disciplinary Reflection
  - Counselor's Referral
  - Dean's Referral
- Discipline and citizenship will be determined by the accumulation of demerits assigned for actions detracting from a healthy educational setting.
- Participate in bell work at the start of class and participate on semester test questions when held at the end of class.
- Be actively involved in learning activities.
- Have adequate paper, pencils, and materials to participate. All other materials (backpacks, bags, purses, etc.) must remain off of the desktop and out of reach during the course of the class.
- Food, drink, gum, candy, etc. (opened or unopened) are not permitted out in class.
- Share in being responsible for the care of school and personal property.
- Refrain from inappropriate language (shows a disrespect for the human body, social relationships, or religion) as it will not be permitted.
- Refrain from language used to intimidate, forcefully influence, or to bully others, as severe consequences are possible.
- Personal communication devices and other similar electronic devices are to remain 'OFF' during all class/instructional time and passing periods. Any evidence that they are 'ON' requires consideration for confiscation.

**Please complete this page, remove from packet and return by September 3, 2018.**

Acknowledgement of Course Expectations  
*Pre-Algebra HS (4712)*

We have read and discussed the course description and expectations.

Student's name [last, first] \_\_\_\_\_

Student's Signature \_\_\_\_\_

Parent Name \_\_\_\_\_

Parent Signature \_\_\_\_\_

\_\_\_\_\_ Home phone

\_\_\_\_\_ Work/Cell phone

Email Address: \_\_\_\_\_

Parent Signature: \_\_\_\_\_