**COURSE EXPECTATIONS**

Class: Algebra I – 4790 Teacher: Ms. Tejada

Palo Verde High School Room: 817

**Course Scope**

This one-year course provides students with the necessary knowledge and skills for further studies in mathematics. It is intended to increase mathematical fluency in problem solving, reasoning, modeling, and effective communication in the study of number, algebra, functions, and statistics. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of technology, including calculators and computer software, is an integral part of this course. This course fulfills the Algebra I requirement and one of the mathematics credits required for high school graduation.

**Prerequisites**

9th Grade Standing

**Course Goals**

1. To develop the Standards for Mathematical Practice. [NVACS]
2. To extend the properties of exponents to rational exponents and use properties of rational and irrational numbers. [NVACS: N.RN]
3. To reason quantitatively and use units to solve problems. [NVACS: N.Q]
4. To interpret the structure of expressions and write expressions in equivalent forms to solve problems. [NVACS: A.SSE]
5. To perform arithmetic operations on polynomials. [NVACS: A.APR]
6. To create equations that describes numbers or relationships. [NVACS: A.CED]
7. To understand solving equations as a process of reasoning and explain the reasoning; solve equations and inequalities in one variable; solve systems of equations; and represent and solve equations and inequalities graphically. [NVACS: A.REI]
8. To understand the concept of a function and use function notation; interpret functions that arise in applications in terms of the context; and analyze functions using different representations.

[NVACS: F.IF]

1. To build a function that models a relationship between two quantities; and build new functions from existing functions. [NVACS: F.BF]
2. To construct and compare linear, quadratic, and exponential models and solve problems; and interpret expressions for functions in terms of the situation they model. [NVACS: F.LE]
3. To summarize, represent, and interpret data on a single count or measurement variable; summarize, represent, and interpret data on two categorical and quantitative variables; and interpret linear models. [NVACS: S.ID]
4. To investigate patterns of association in bivariate data. [NVACS]
5. To understand congruence and similarity using physical models, transparencies, or geometry software. [NVACS]

**Units of Study**

|  |  |
| --- | --- |
| **Semester 1** | **Semester 2** |
| * Expressions and One-Variable Equations * One-Variable Inequalities, Absolute Value Equations and Inequalities * Functions and Function Notation * Two-Variable Equations and Inequalities * Special Functions * Linear Systems and Linear Programming | * Exponential Functions and Sequences * Radicals * Quadratic Equations * Graphing Quadratic Functions * Data and Statistics * Comparing Functions |

**Possible Careers**

The following is a list of a few careers that use Algebra concepts:

|  |  |  |  |
| --- | --- | --- | --- |
| Accountant | Air Traffic Controller | Auditor | Cartographer |
| Civil Engineer | Electrical Engineer | Electrician | Environmental Analyst |
| Farm Advisor | Fire Fighter | Forestry Land Manager | Income Tax Specialist |
| Insurance Claims Agent | Landscape Architect | Machinist | Medical Lab Technician |
| Oceanographer | Photographer | Purchasing Agent | Technical Researcher |

**Required Student Supplies:**

* 2 notebooks: they may be spiral or composition notebooks. One will be used for notes and the other will be used for classwork/homework.
* Pencils

**Recommended Students Supplies:**

* Graphing Calculator (TI-83) - This is a great tool for your student to have. It will not only help them in Algebra I, but in all of their high school and college mathematics courses. They are also allowed on the ACT, SAT, and there is a calculator portion on the semester exam for this course.

**Student Resources**

Textbook - Each student will be checked out a copy of Algebra I (Prentice Hall Mathematics).

Student Workbook - Each student will be given a copy of Algebra I Explorations in CORE MATH

for Common Core Student Workbook

Care of the Text - The student will be responsible for the care of this book for the entire school year (this includes keeping a cover on the book). If the book is lost or stolen, the replacement will cost $54.97\*. The student will not be issued another book until the lost book has been paid for. The student will pay a portion of the total cost if the book needs repair. \*Cost is subject to change.

Care of the Workbook - These workbooks are provided by the IDPLD (Instructional Design and Professional Learning Division) of the Clark County School District. There will not be extras if the workbook is lost. It is important that you keep track of your workbook and textbook.

**Course Information**

Assessments - Tests will be given at the end of every unit, and quizzes will be given periodically throughout each unit. If a student misses an assessment due to absence, it is the **student’s responsibility** to make up the assessment. Assessments must be made up after school within **one week** of the original test date. If a student is caught cheating on an assessment, the student will receive a zero and will not be allowed to re-take the assessment. Additional disciplinary actions may be taken if a student is caught cheating. If a student is caught talking or with a cell phone during an assessment, the student will earn a zero and will not be allowed to re-take the assessment.

Assignments - Assignments will be given daily. Students are expected to complete any unfinished assignment as homework. Assignments will be due at the beginning of the next class period. Late work will be given a maximum 50% credit. If a student misses an assignment due to absence, it is the **student’s responsibility** to make up the assignment. All assignments will be posted on the assignment list located on the bulletin board.

Notebooks - Each student is required to keep an organized 3-ring binder, which will be checked throughout the year. If a student misses notes due to absence, it is the **student’s responsibility** to make up the notes. Notes will be posted on my website at the end of each day. Students can copy the notes or print them out and insert in their binders on the appropriate pages. It is important to make sure your table of contents and notes are kept current. Notebook checks will be given at least once per quarter.

Make-Up - Each **student is responsible** for getting his/her make-up work when absent. The assignment list is posted in the classroom and kept up-to-date. Three (3) school days will be given for each day a student is absent to make up missing work. Make-up work **not** completed within this time frame will be considered late.

Late Work

Any student who fails to turn in an assignment on the date it is due, may turn in the completed assignment within three school days of the date it was due. Any assignment that is turned in late will have a maximum value of 50% of earned points.

**Criteria for Credit**

1. All work must be completed in pencil. I will not accept work that has been completed in pen, especially on assessments.
2. All work must be shown for every problem. NO WORK = NO CREDIT
3. Each assignment needs to be labeled with the student’s full name, period number, and date in the upper, right-hand corner.

**Across the Curriculum Activities**

Preparation Skills Program - All students are required to have a notebook and pencil on their desks each day when class begins.

Writing - Students will put into practice writing techniques which they have developed in their English classes. The teacher will include writing assignments and essay questions on exams, which will be part of the exam grade.

Reading/Learning Strategies - Two-column notes will be used extensively.

Technology -

Calculator - Students will use the calculator as a problem-solving tool.

Equipment Usage - All students will adhere to the standard “Use of Equipment Rules”

**Classroom Rules and Procedures**

* NO food or drink allowed in class, including gum. Bottled water is allowed.
* The use of electronic items in class is prohibited. Parents will have to pick up confiscated electronic items up from the Dean’s Office at the end of the day.
* Obey all school rules.
* Be respectful of other people and property.
* Be prepared for class every day.
* Be on time to class every day.
* Bullying of any kind will not be tolerated in my classroom.

Disciplinary Consequences

Consequences for inappropriate behavior are as follows, using progressive discipline measures:

1. Warning

2. Conference with student

3. Parent Contact

4. Counselor Referral

5. Dean Referral

\*Detentions may be assigned at any step after the 1st incident.\*

\* The teacher reserves the right to skip any step depending on the severity of the infraction.\*

Tardy Policy

The Palo Verde tardy policy is defined in the student handbook and will be followed in this classroom. When the bell rings, students will be inside the classroom or will be marked tardy. The Palo Verde tardy form outlines a variety of consequences including warning, parent notification, loss of QCC points, counselor referral, dean referral, and required parent conference. Students will receive an “S” in citizenship on the 2nd tardy and will receive a “U” in citizenship on the 6th tardy.

**Evaluation**

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| --- | --- |
| Quarter Grades | Semester Grades |
| Assessments 70%  Assignments 30% | Quarter 1/Quarter 3 40%  Quarter 2 / Quarter 4 40%  Semester Exam 20% |

Assessments include tests, quizzes, notebook checks, and projects. Assignments include homework, QCCs, and any work completed in class.

Explanation of Student Grades -

A 90% - 100% Excellent

B 80% - 89% Above Average

C 70% - 79% Average

D 60% - 69% Below Average

F Below 60% Failing

IN Incomplete

NG No Grade

Receiving Grades Reports -

* Grades will be updated on Infinite Campus on a weekly basis.
* Progress reports will be issued at every mid-quarter. These progress reports will serve as notice of unsatisfactory progress for those students earning a grade of D of F.

(See student handbook for dates.)

* Report cards will be issued approximately two weeks after the end of each quarter.

(See student handbook for dates.)

Citizenship Grades -

Good citizenship is expected of all students. A good citizen assumes responsibility for personal success, but also contributes positively toward the success of the group.

O (Outstanding) The student’s attitudes and actions have a noticeable positive effect upon the

class.

S (Satisfactory) The student’s attitudes and actions display an acceptance of personal responsibility. The student does not have a negative effect upon the class.

N (Needs Improvement) The student’s attitudes and actions need to improve for the student to be a successful member of the class.

U (Unsatisfactory) The student’s attitudes and actions have an observable, negative effect upon the class. The student does not strive toward personal success in class.

Thus, the citizenship grade is a subjective evaluation of the student’s initiative, dependability, leadership, punctuality, cooperation, and ability to work with others.

**Assignment Disclaimer**

Any assignments, projects, or student work submitted to a teacher/staff member becomes the property of the Clark County School District. The teacher/staff member receiving the assignment(s) may make the determination of what becomes of the submitted assignment(s). Students will be afforded an opportunity to request the return of assignments which will be returned to the student within a time period to be determined by the teacher/staff member.

**Extra Help**

If a student needs extra help, I will be available in my classroom, Room 817, before and after school. There may be some changes in the times due to meetings, parent conferences, and other assigned teacher duties. Students are encouraged to inform me if they know they are coming in for help, so I can let them know if any scheduling conflicts exist.

**Contact Information**

If you need to contact me, please e-mail me at bltejada@interact.ccsd.net.

**Class Website**

pvhstejada.weebly.com

\*\*Policies and Procedures are subject to change.\*\*