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**DESCRIPTION:** Applied Algebra is a two semester course. Topics include number sense and problem solving, solving equations, linear functions, and systems of equations. We will cover these units through hands on lab and application based instruction.

**GRADES:** Your grades will be earned based on the following:

 Assignments (Includes in class work, projects, problem sets, and exit tickets): 50%

 Assessments (Quizzes/Tests/Final): 50%

Scale: A: 90 – 100% B: 80 – 89% C: 70 – 79% D: 60 – 69% F: 00 – 59%

**ASSESSMENTS (LABS/QUIZZES/TESTS/FINAL):** Calculators are allowed. You will be allowed to use one notecard (4x6) on unit tests. This must be hand written, and turned in with your assessment. Photo copies will not be allowed. Retakes are allowed after additional practice.

**RESOURCES:** We will not be using a textbook this year. Your primary resources will be your labs and in class work. All your work will be kept in a folder that you will be able to leave in the classroom. In this classroom, math is learned by doing, not by watching.

**SUPPLIES/CALCULATORS:** I expect you to have your math folder, completed assignments, a calculator and a pencil at your table when class starts every day. All other necessary supplies will be supplied by the teacher. However, students may wish to have access to the following supplies of their own:

* Colored Pencils or Colored Markers
* Highlighters
* Glue Sticks or Tape
* Dry Erase Markers
* Scissors
* Notebook Paper or Graph Paper

Calculator Recommendations:

Casio NATURAL DISPLAY Scientific (Models FX115ES, FX115ES Plus and FX300ES)

**IN THIS CLASSROOM:**

1. Be in your seat and working on assigned warm-up when the tardy bell rings.
2. Have all materials with you at your seat when the tardy bell rings.
3. Follow all safety procedures at all times.
4. Follow directions the first time they are given.
5. Treat each person in the room with dignity and respect.
6. Follow all procedures and policies as outlined in the South Albany High School handbook.
7. Everyone does everything.

If students fail to follow the classroom guidelines, they will be given an “Infraction Notice” which will result in a conference with the teacher after class. On the second offense, they will need to serve 15 minutes of *their own time* (lunch, before school, after school, etc.). A third offense will result in the student having to fill out a “My Action Plan” form and parental contact. The fourth and final offense will result in a disciplinary referral.

**CELL PHONES:** Cell phones should be put away at all times, unless otherwise specified by the teacher. There may be some activities in this classroom where you will be allowed to use your phone, but at all other times they should be stored in your bag or pocket. *All earbuds should be out during instructional time*. You will be given opportunities to listen to music given teacher permission. The first offense will be a warning. On the second offense, your phone will be confiscated and kept in my desk until the end of the period. If you refuse to cooperate at any point, it will be considered defiance and you will be referred to the office.

**ASSIGNMENTS:** Math is a subject that requires practice and effort to learn. Learning requires action on the part of the student. Assignments will be awarded credit on a 5 points scale and in consideration of the Oregon Standards for Mathematical Practice:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

The rubric below will be used to score projects.

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|  | **2 Points** | **1 Point** | **0 Points** |
| **Functionality**  | Project is fully functional for its intended use. | Project is partially functional for its intended use but demonstrates minor errors.  | Project is not functional for its intended use.  |
| **Appearance**  | Obvious that time and thought was put into the project’s appearance. Demonstrates creativity and originality in design.  | Some time and thought was put into the project’s appearance. Lacks creativity and originality in design.  | Little to no thought put into the project’s appearance.  |
| **Collaboration**  | Demonstrates PRIDE with peers. Student fully participates and contributes to project.  | Demonstrates some elements of PRIDE with peers. Student partially participates and contributes to project.  | Demonstrates little to no PRIDE with peers. Student does not participate and/or contribute to project. |
| **Effective use of time**  | Completes project on time and demonstrates exceptional time management.  | Completes project on time but demonstrates poor time management.  | Does not complete project on time and demonstrates poor time management.  |
| **Precision**  | All measurements are accurate with minimal error.  | Most measurements are accurate with minimal error.  | Most measurements are inaccurate with significant error.  |