

# Mathematical Applications in Agriculture, Food and Natural Resources

**Instructor:** Mrs. Kyle

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## **Course Description:**

In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. To prepare for success, students need opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

The year will include the following topics:

- Budgeting
- Accounting
- Math in Vet Sciences
- Math in Construction/Welding
- Livestock Nutrition
- Food Math
- Measurements
- Surveying
- Financial Literacy

## **Class Materials:**

- Chromebook
- Writing Utensils
- Folder (if you would like to keep any hard copies or unfinished work)
- Notebook Paper

## **Course Expectations:**

Most of our work will be done in the classroom. From time to time as we work on large projects you may need to take work home to complete the assignment. It is your responsibility to bring back the assignment on time.

We will conduct several labs in class. All students will be expected to participate. When in a lab setting please keep safety in mind.

We will be working in group for several topics we cover. Be courteous to your fellow group members and encourage participation among everyone.

All students will be expected to participate in class each day and give their best effort towards each assignment. You are also expected to bring your materials to class each day. If you are unsure about how to complete a task and need further instruction please ask. From time to time students who grasp concepts quickly may be asked to help other students. This is an elective science course but we will do work every day.

### **Chromebook:**

You will each be required to bring your Chromebook to class daily charged. Failure to do so may have an impact on your grade. Please come to class prepared as we will use our Chromebooks as often as possible!

### **Absent Work:**

**It is the student's responsibility to complete the work you miss while you are out.** Work will be posted in Google Classroom for you to complete. Should you not see work in google classroom please notify your teacher by email so we can either fix the problem or come up with a plan for you to receive it.

### **FFA Participation**

FFA participation is not mandatory but we do encourage you to get involved. FFA has a place for everyone. You do not have to show an animal to be in FFA although that is one aspect of our organization. In the fall we participate in Leadership Development Events (Quiz, Creed, Chapter Conducting, Skills, etc.) and in the spring we participate in Career Development Events (Wool Judging, Poultry Judging, Livestock Judging etc.). There are many other opportunities to get involved so be listening in class for upcoming details.

### **Grading Policies**

Your assignments will be graded according to NZISD policy. We will let you know if an assignment is a major, minor, or other grade.

#### **Major Grades = 40%**

Exams  
Major Projects

#### **Daily Grades = 60%**

Class Notes  
Record Book  
Daily Work/Quizzes

### **Class Rules**

1. Be in class on time
2. Be prepared to work (Chromebook, supplies, attitude)
3. Be respectful! Teacher and adult visitors, classmates and facilities/equipment

4. No Cellphones or earbuds unless instructed by the teacher
5. **Clean up before you leave!**
6. "Horseplay" is not acceptable in the classroom or labs
7. Make our building a place to be proud of
8. Give your best effort everyday
9. School rules remain in place. Discipline actions will be taken per the Discipline Management Plan and Student Code of Conduct set by North Zulch ISD