

Cortney Junior High School
7th Grade - Math 7
Course Expectations
2008-2009

Mr. Jacobs

Room 710

Course Scope:

This one year seventh grade course is designed to reinforce and extend computational skills through logical reasoning and problem solving. A student's level of mastery of basic skills should not preclude success in this course wherever technology, including software, is effectively used. All objectives are appropriate for use in the heterogeneous and homogenous setting. All seventh-grade students are required to complete a full year of mathematics. The textbook for this course is: Glencoe Mathematics and Applications. In addition, the use of a math notebook is required and is evaluated on a weekly basis for 30% of the total grade.

Course Outline:

1. To develop problem-solving strategies using techniques such as data collection and organization, estimation, modeling, and simple equations.
2. To solve problems using a variety of equipment including technological tools such as calculators, and geometric measuring devices such as compasses, protractors, rulers, and scales.
3. To integrate mathematical problem skills in other disciplines.
4. To reinforce and extend the concepts of place value and number sense.
5. To increase the understanding of computational skills and to develop greater efficiency and accuracy in using them in the real number system including fractions, decimals, integers, radicals and exponentials.
6. To extend the basic operations to include tools such as percents, proportions, probability, and statistics.

7. To explore geometric properties and their relationships as they pertain to three-dimensional objects.
8. To extend and apply the concepts of measurements and geometry to a variety of concepts of practical problems including use of the customary and metric systems of measurements.
9. To investigate algebraic concepts using concrete models.
10. To develop the ability to reason and to communicate mathematically in order to apply learned concepts to new problem-solving situations.
11. To formulate problems and strategies for solutions to situations relevant to real- life experiences and interests.
12. To instill confidence in mathematical abilities so that one may achieve at a higher level.
13. To reinforce correct usage of grammar, spelling, neatness and vocabulary.

Tentative Course Structure:

* 1st Quarter:

- Chapter 2: Decimal Applications
- Chapter 4: Number Patterns, Fractions, and Percents
- Chapter 3: Data Analysis

* 2nd Quarter:

- Chapter 1: Problem Solving, Algebra, and Geometry
- Chapter 5: Integer Applications
- Chapter 7: Applying Fractions
- Chapter 8: Proportional Reasoning

* 3rd Quarter:

- Chapter 9: Geometry: Investigating patterns
- Chapter 10: Geometry: Exploring Area
- Chapter 11: Applying Percents
- Chapter 12: Geometry: Finding Volume and Surface Area

* 4th Quarter:

Chapter 6: Exploring Functions, and Equations
Chapter 13: Exploring Discrete Math and Probability

Course Materials:

- * One five-subject notebook
- * One pack of #2 pencils
- * Basic calculator with the radical function on it. (Not Required)

Course Grading:

1. Quarter grades will be computed with 30 % for the notebook, 10% for homework, and 60 % attributed to test and quizzes (40 % for tests and 20 % for quizzes)
2. A semester exam will be worth 10 % of the semester grade, with the balance of the semester grade attributed to the quarter grades (45 % per quarter).
3. The grading categories are as follows:

90% - 100%	A
80% - 89%	B
70% - 79 %	C
60% - 69%	D
Below 59%	F

4. Attendance is an important component of the learning process. Poor attendance affects student performance and understanding. **If a student has more than 10 unapproved absences during one semester, than the student will receive an F and receive a denial of credit for that semester.**
5. Classroom participation is necessary for understanding and developing concepts in math. Asking appropriate questions about homework or currently learned topics is essential to the learning process. This will also impact the students' overall grade.

Grade Notification:

1. Parents and students may access grades at any time using parentlink.ccsd.net. Grades will be updated at the end of the school day.
2. Weekly progress reports must be requested 24 hours in advance and be picked up after school.

Behavior Expectations:

1. Respect the rights of others!
2. Keep your hands restricted to your own personal belongings and person.
3. Students are to be in their seats ready to work when the bell rings.
4. Students are expected to complete all assignments on time.
5. Appropriate behavior is as follows:
 - a. Attentive at all times.
 - b. Taking notes and participating in classroom discussions.
 - c. Staying on task when class work is assigned.
6. All school rules apply in the classroom.
7. **Tardy policy:**
 - a. **1st - Teacher's detention**
 - b. **2nd - Teacher phone call**
 - c. **3rd - Letter or parent**
 - d. **4th - Parent \ teacher \ counselor conference**
 - e. **5th - U given in citizenship**
 - f. **6th - RPC (Required Parent Conference)**
8. Excessive talking is not permitted. Progressive discipline will be utilized for students that talk without permission.
9. Students are responsible for the care of all equipment and furniture inside the classroom. Unwarranted destruction of school property will not be tolerated.
10. Dress code violations will be enforced within the guidelines established by the school.

Makeup Work:

All makeup work is due 3 days after an approved absence. It is the responsibility of the student to get all makeup work from the teacher for prearranged absences.

Parent \ Teacher Communication:

During the school year, you may need to contact me to discuss you child's progress in my math class. You may contact me at 799-2400, during non-instructional. You may also contact me by email at: gjacobs@interact.ccsd.net.

Homework Policy:

Homework is assigned on a regular basis Monday through Thursday. It is highly recommended that you check your child's homework to see if it has been completely done on a daily basis.

C.O.B.R.A Program/ Backpacks:

The COBRA program/backpack policy will be utilized in all math classes at Cortney Junior High School. No backpacks will be allowed in the classroom and the materials as outlined in the cobra planner on page 5 will be required on a daily basis. A section of the 3-ringed binder will be used to fulfill the notebook requirement for this course.

PLEASE SIGN AND HAVE YOUR CHILD RETURN THE NOTICE BELOW TO MR. JACOBS BY _____.

I have read the course expectations for my child's seventh grade math class. I understand what my child will be expected to do in math class, how my child is expected to behave, and how my child's work will be graded. I understand that if I have any questions or concerns about my child's progress in math, I can contact Mr. Jacobs at Cortney Junior High at 799-2400.

Parent / Guardian Signature _____

Child's Name _____

Telephone Numbers Home _____ Cell _____

Work _____

E-mail Address _____

