

Practical Math 4

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COURSE DESCRIPTION

This course is an integrated mathematics course. Concepts are introduced incrementally and are continually practiced throughout the problem sets. Students continue to build concepts of Practical Math 3 while introducing operations with positive and negative numbers, powers, geometric concepts including angles, and the beginning of linear functions and properties. It will help students develop mathematical skills through practical applications and activities that emphasize the application of mathematics in many types of real world endeavors.

ALIGNMENT TO THE IOWA CORE CURRICULUM

- **Make sense of problems and persevere in solving them,**
- **Reason abstractly and quantitatively**
- **Model with mathematics**
- **Use appropriate tools strategically**

GRADING & ASSESSMENTS

Summative Assessment– These will be unit, semester tests. Tests will always be announced in advance.

Formative Assessment (Quizzes) - These may be announced or unannounced. The test score will replace the quiz score if students demonstrate mastery of the topics on the test. Students may or may not be allowed to use notes.

Self Assessment (Homework Completion) - Students are expected to check their answers on homework daily and ask questions if needed.

Grading Scale:

93.0-100%	A	70.0 – 62.99	C-
90.0 – 92.99	A-	67.0 – 69.99	D+
87.0 – 89.99	B+	63.0 – 66.99	D
83.0 – 86.99	B	60.0 – 62.99	D-
80.0 – 82.99	B-	Below 60%	
77.0 – 79.99	C+		

73.0 – 76.99 C

Content

Various activities and lessons are included in the course with an overall goal of having students be more prepared for life after high school. Most activities have a goal of decoding mathematical understanding and applying of mathematical skills. Some of these focus on geometry and spatial relationships. They are designed to promote perseverance in completing a task. A few strive to develop students' ability to work with others in a productive manner.

CLASSROOM EXPECTATIONS

- **RAM CORE VALUES:** Respect, engagement, integrity
- No food or drink allowed in the classroom (except water)
- Do your best, and try your hardest!
- Come to class prepared with all appropriate materials
- Cellphone use is not allowed during direct instruction (and at discretion of teacher)

SUPPLIES

Assignment notebook (agenda) Keep your notes neat and organized

A pencil (with an eraser – because we all make mistakes)

A binder (stays in the classroom) Keep your activities organized

Course work

INSTRUCTIONAL STRATEGIES

Instructional strategies in this course include direct instruction, discussion, note-taking, and modeling, technology, and student projects.

TARDINESS AND ABSENCES

Refer to Senior High school Attendance Policy (found in the student handbook/agenda).

BEHAVIOR EXPECTATIONS

I expect you to behave as the responsible student that you are. Should a problem arise I may contact your parents and/or pursue assistance from the office.

Cheating on anything will not be tolerated. Consequences may include, but are not limited to, a score of zero on your work, contacting your parents and/or Assistant Principal, or an F in the course.

COMMUNICATION

The best way to get ahold of me is via email at cmccarthy@dbqschools.org. You may also reach me by school phone at 563-552-5641. Messages left will be returned as soon as possible.
