Eagle Butte High School

MATH 10C

Course Outline 2025-26

Google Classroom: 4yo7gem

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Mathematics 10C is designed to provide students with the mathematical understandings and critical-thinking skills needed to advance to Math 20-1 or Math 20-2 and to develop meaning based on a variety of learning experiences. This meaning is best developed when learners encounter mathematical experiences that proceed from simple to complex and from the concrete to the abstract. The use of manipulatives, visuals, and a variety of pedagogical approaches can address the diversity of learning and developmental stages of students. At all levels of understanding, students benefit from working with a variety of materials, tools, and contexts when constructing meaning about new mathematical ideas. Meaningful student discussions also provide essential links among concrete, pictorial, and symbolic representations of mathematics. More specifically, the goals for students in this course are to:

- **solve problems**
- **communicate and reason mathematically**
- **make connections between mathematics and its applications**
- **become mathematically literate**
- **appreciate and value mathematics**
- **make informed decisions as contributors to society**

STUDENTS WILL….

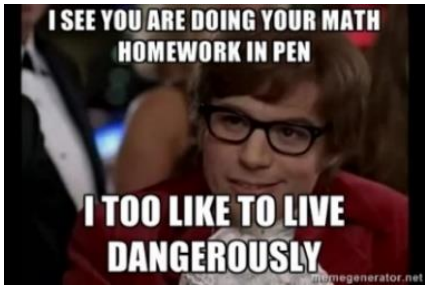
- Gain an *understanding* and *appreciation* of mathematics in society
- Exhibit a *positive attitude* toward mathematics
- Engage and *persevere* in problem solving
- *Contribute* to mathematical tasks
- Take *risks* in performing mathematical tasks
- Exhibit *curiosity* about mathematics

PROCESSES:

- Communication
- Connections
- Mental Math & Estimation
- Problem Solving
- Technology
- Visualization

Materials

1) Binder with dividers
2) Lined loose-leaf paper or Notebook (50-100 pages)
3) Graphing Calculator (TI-84 Plus or TI-83 Plus)
4) Pencils, Pens, Erasers & Ruler
5) Textbook – Mathematics 10 (McGraw-Hill)



Tentative Timeline

Introduction/Course Outline/Classroom Procedures	(1 class)
UNIT 1: Exponents & Radicals	(16 classes)
UNIT 2: Polynomials	(11 classes)
UNIT 3: Trigonometry	(7 classes)
**** CUMULATIVE Review & EXAM I **** (3 – 4 classes)	
UNIT 4: Relations & Functions	(19 classes)
UNIT 5: Systems of Equations	(8 classes)
**** CUMULATIVE Review & EXAM II **** (4 – 5 classes)	
UNIT 6: Measurement	(12 classes)
FINAL REVIEW	(3 classes)

Evaluation

The following categories will be used to evaluate student progress and achievement throughout the course:

Unit Exams	25%
Summative Assessments (Quizzes, In-Class Assignments, Projects)	25%
Cumulative Exams (Cumulative I Exam – 10%, Cumulative II Exam – 15%)	25%
Final Exam	25%

Demonstrating the correct process is just as important as getting the right answer. Work must be shown to earn full marks on questions. A correct answer without showing supporting work will only be awarded partial marks.

EXAMS

It is YOUR responsibility to prepare for all your tests/quizzes.

- If a student is absent for any quizzes/exams, they will be expected to make arrangements with the teacher to write the exam/quiz in a timely manner.
- When students are absent the day of a test, they will be given a different version of the test AND may void their privilege to rewrite that particular test.
- Requests to not write the test on the planned day will not be honoured.
- Tests need to be completed in one sitting and students will be permitted double time.
- Teachers will not help with answering questions while a student is writing a test it is important to study and be prepared for the test on the day of the test.

REWRITE POLICY

If a student feels that their mark is not reflective of their ability, they will have the opportunity to re-write any unit test at the end of each semester.

However, the following conditions must be met:

- The test will be written outside of class time.
- The re-write mark will become the new mark whether it is higher or lower than the original mark.
- There will be NO rewrites on open book quizzes, cumulative exams, or final exam.

ACADEMIC DISHONESTY (as taken from Student Handbook)

Examples of academic dishonesty include, but are not limited to:

- Taking someone else's work or ideas and passing them off as one's own including:
  - copying from another student
  - copying/downloading from the internet
  - taking and/or sharing pictures of assessments
  - use of any Artificial Intelligence (A.I.) programs like, but not exclusive to, ChatGPT or Photomath
  - Anything copied either in whole, in part (even if just brief parts like the main idea or one example or sentence), or in concept. This also includes the rewording of sentences or ideas to make it look like your own work
- Those who allow their work to be copied/share their work are aiding in the process and therefore JUST AS RESPONSIBLE AND LIABLE to be held to the same consequences as the student who handed in the plagiarized work.

Depending on the severity of the violation, the offending student(s) may suffer any or all of these consequences in consultation with the teacher and/or Administrator's discretion.
Consequences include, but are not limited to:

Redoing the assignment…..Parent contact…..A mark of zero on work submitted…..

Detentions…..Referral to the administrator…..Phone must be handed in to the office - see cell phone procedure

My goal is for you to experience success in math, and I am here to support you every step of the way.

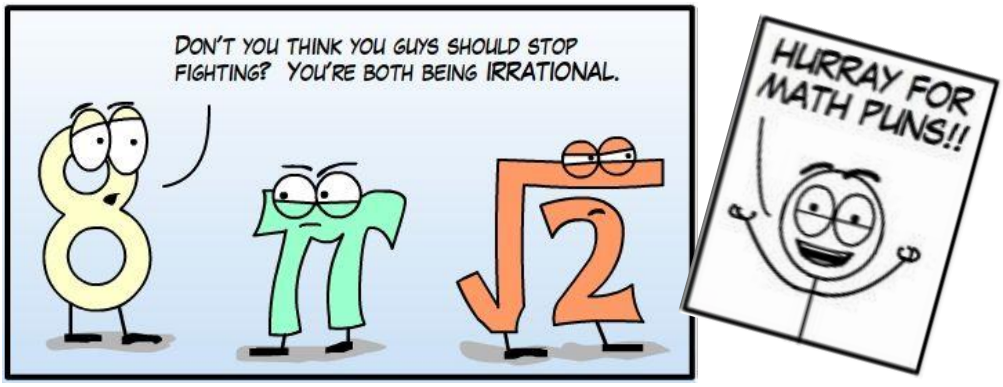
To be successful, you must also ***want it for yourself*** and ***believe*** you can reach your goals. These four strategies will help you get there:

- Be an active listener and stay engaged during class
- Use class time to complete your work
- Ask questions when you don't understand a concept
- Keep up with the assigned work each day

Classroom Expectations

1. Respect yourself, classmates, and school staff.
2. Be in class and be on time for class.
3. Be prepared to listen, learn & participate.
4. Be prepared for class.
    - Be ready to work <u>before</u> the bell rings. Bring all your supplies that you will need (binder/notebook, pencil, eraser, calculator, water bottle).

- No cell phones at any time during class.
- Healthy food and drinks are permitted in the classroom.
- Students are not permitted to leave class without teacher permission.



CLASSROOM PROCEDURES FAQ's

What if I am absent?

When possible, let me know ahead of time that you are going to be absent. It is the student's responsibility to catch up on any missed work. If you are absent for a quiz/exam, you will write it the day following your absence during TAG, lunch, or after school. Please talk to me to arrange a time.

What if I was absent and there was something handed out that I missed?

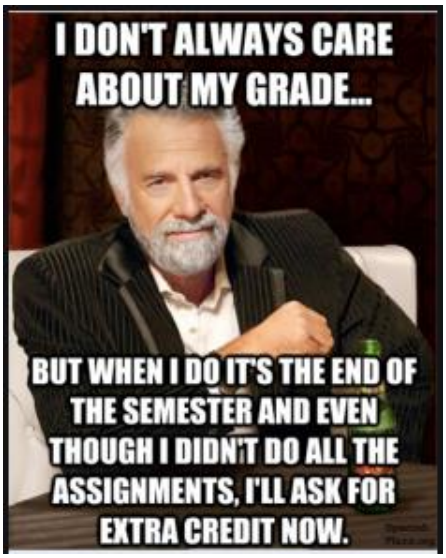
Each class has a designated drawer in the rolling cart at the front of the room. If you were absent and missed a handout, you can find your copy there.

Can I leave class early if I am done my work?

The simple answer is no. Class is over when the bell rings. In math, there is always more work to do. You can make flashcards or study for the next quiz/test or do extra practice questions. Please do not pack up or leave class until the bell rings to signal class is over. Use your class time wisely…more time spent working during class = more concepts learned = less/no homework in the evenings.

Extra Help

I expect you to use your class time wisely – be an active listener, ask questions, take notes, and work on assigned questions during class time. With 75-minute classes, that is a lot of time to work on math. The best time to get help is daily, as you are working on questions in class. Do not wait until the last minute to ask for help! For example, coming in the day before or day of a test and needing help on the entire unit is setting yourself up for failure. TAG is a perfect opportunity to get the help you need. If TAG isn't enough time, talk to me about getting help during lunch as well.



What is a Quick 3 Quiz?

Almost every day will begin with a quick 3 quiz or a checkup. The intention of this is to help you recall previous concepts and improve your understanding.

What if I arrive late?

A student who is not in the classroom when the second bell rings is considered late. Please don't disrupt the class if you arrive late. Enter the room quickly and quietly and find your seat. Too many lates = detention at lunch…& a late contract…

What if I behave inappropriately?

Inappropriate behaviour will not be tolerated. Please refer to the student handbook. Detentions will be served at lunch time for inappropriate behaviour. If you skip your detention, you will not be allowed in class until you serve it.

May I use the washroom during class time?

Please try to go to the washroom before class, but of course you may ask to use the washroom if it is necessary (at an appropriate time, such as after the lesson is done and it's work time). You are not to go elsewhere (ie. other classrooms, hanging out in the hallway, the office, etc…). If you are found somewhere else during your washroom break, you will lose the privilege of using the washroom during class.

Where do I hand in quizzes and/or tests?

All quizzes and/or tests go in the black basket on the corner of my desk.

How do I communicate with Mrs. Brost?

Please talk to me if you ever have any questions or concerns, or just want to chat…I would love to get to know you better! I would say I'm pretty easy to track down…before school, during class, during TAG, at lunch, or after school…

My final piece of advice for a successful semester…

Links & Resources

The following is a list of QR Codes and Links you may find useful for this semester.

	Eagle Butte Website https://eaglebutte.myprps.com/		Mathematics 10 (Textbook PDF) https://bit.ly/10Ctext
	ExamBank – Math 10C http://alberta.exambank.com Login: pr Password: exam		Khan Academy (free tutorial videos) https://www.khanacademy.org/
	Quest A+ (Practice Tests) https://questaplus.alberta.ca/		The Grand Math Connection https://mathpqjq.com/