

Instructor: Kristin Caldwell

Contact Info:

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Classroom: 1313

Office Hours: M-F 7:30-7:45 am and 2:20-3:00 pm

Course Description

Explores practical applications of mathematics that arise in everyday life. Emphasizes numerical and logical reasoning, mathematical decision making, mathematical symbols, techniques and computations. The core course topics include proportional reasoning, consumer finance, probability, descriptive statistics, and growth and decay models (linear and exponential). Satisfies the Quantitative Reasoning portion of the AA-DTA degree.

B-EHS Prerequisite: Successful completion of Algebra 1, Geometry and Algebra 2

College in the High School:

Students meeting the prerequisites (B or higher in Algebra 2 or Accuplacer score or SBA 3 or 4 or instructor permission) can apply to Skagit Valley College for admission and register for the course at a reduced tuition rate. Payment for the course is due December 19th. You would earn both high school and college credit for the course. Your 5 college credits could transfer to any community college or public university in Washington State. Your grade would be on your college transcript and count towards your college GPA. Students should review the SVC handbook at www.skagit.edu/chs-handbook.

SVC Honor Code: All students of Skagit Valley College are responsible for knowing and adhering to the Academic Honor Code of this institution found at <http://www.skagit.edu/honorcode>. Violations of this code include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct are reported to the student conduct officer. Students found to be in violation of the Academic Honor Code are subject to academic consequences up to and including failure of the course. Students may also be subject to college disciplinary sanctions up to and including expulsion from the College.

Textbook: Thinking Mathematically, Eight Edition, by Bob Blitzer, Pearson 2023

Materials:

- Textbook
- Scientific Calculator (provided if you don't have your own)
- Comp book or spiral notebook so that you can take notes and do written work
- Chromebook

Grades: Grades will be based on a weighted average. The categories are listed below.

- Practice (25%) – Practice is graded on completion only. Practice will include in class work and HW problems.
- Assessments (75%) – Will be graded based on accuracy and will include quizzes, projects and tests.
 - Quizzes may be retaken once. Your score will change to the retake score, regardless of improvement or not.
 - Projects will be due by a firm due date with no late work or corrections allowed.
 - Tests may not be retaken. There will be one test at the end of each chapter.

Grades are maintained in the Skyward gradebook. Parents and students can monitor grades by logging into their Skyward account. At a minimum, grades will be updated every two weeks.

A standard grading scale will apply for the year:

92-100% = A	82-87.9% = B	72-77.9% = C	60-67.9% = D
90-91.9% = A-	80-81.9% = B-	70-71.9% = C-	0-59.9% = F
88-89.9% = B+	78-79.9% = C+	68-69.9% = D+	

Course Objectives:

Upon completing this course students should be able to:

1. Use proportions, ratios, and dimensional analysis to interpret and compare quantities and use these relationships to analyze problems in context.
2. Apply relevant formulas and perform calculations pertaining to personal finance.
3. Summarize, interpret, and analyze models and sets of data using appropriate statistical calculations and terminology to make informed decisions.
4. Calculate and interpret experimental and theoretical probabilities in context.
5. Analyze scenarios to determine if they describe linear or exponential growth and apply these models in context.

Behavior Expectations:

- Be on time and present in class
- Be respectful of each other and your teacher
- Work hard and engage in the learning
- Profanity will not be tolerated
- Cell phones will be put away during class time unless your teacher instructs you to use it for an academic purpose. Earbuds/headphones are not to be in during class.

Cheating/Plagiarism: According to Burlington-Edison High School's Student Handbook

Cheating is the copying of another student's assignment or answers in an attempt to better or complete an assignment without doing one's own work. Plagiarism is the act of using and passing off the ideas or words of another as one's own; using (creating production or document) without crediting the source; presenting as new or original an idea or product taken from another source. Cheating and plagiarism are met with the same consequences. On the first offense, all parties will receive a zero for the assignment and will need to show proficiency on a different, similar assignment. Subsequent offenses will result in a zero for the assignment and include a referral to administration. The student will need to demonstrate proficiency in a different way.

All individuals have a right to an educational environment free from bias, prejudice, and bigotry. As members of the Burlington-Edison educational community, students are expected to refrain from participating in acts of harassment that are designed to demean another student's race, gender, ethnicity, religious preference, disability, or sexual orientation.

If you have any questions or concerns please don't hesitate to reach out.

-Mrs. Caldwell