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| **Math for Data and Financial Literacy** | | | | |
|  | | **Description of Average Weekly Outside Requirements** | |
| **Main Topics**  **(What main ideas/concepts are covered):**   * Ratios/Proportions * Solving/Rearranging Equations * Accounting Principles * Linear functions * Credit/Loans * Basic Stat/Probability * Investments, Insurance, retirement plans | **Rationale**  **(Why a student should take this course):**  This course will strengthen and deepen a student’s algebra and geometry skills and understanding. | **Reading**  **(Text, document, etc.):**  This course will strengthen and deepen a student’s algebra and geometry skills and understanding. | **Written**  **(Terms, questions, outlines, free response, etc.):**  While some questions will need to be written in sentence form, most will be equations and short answer interpretations. |
| **Grade Composition**  **(How grades are determined):**  Chapter Tests  Quizzes  Homework/classwork assignments | **Skill Development**  **(Skills developed in this course and how):**  This course will be a review of Algebra I skills presented in the context of real-world data and financial literacy problems. | In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas using Algebra I concepts: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions. | |
| **Required Skills**  **(Skills necessary to be successful in this course)**  Order of operations, integer operations, solving equations for a variable, basic understanding of functions and function notation. |