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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 TestsQuizzesHomework/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. |