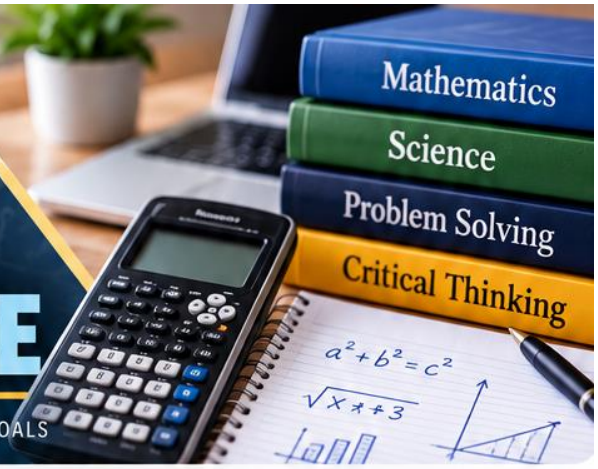
Intermediate GED MATH & SCIENCE

BUILD YOUR SKILLS | GAIN CONFIDENCE | REACH YOUR GOALS



COURSE DESCRIPTION

This course prepares intermediate-level adult learners for the Mathematics and Science portions of the GED exam. Instruction emphasizes foundational and intermediate mathematical reasoning, scientific literacy, interpreting data and evidence, and applying problem-solving strategies to GED-style questions and real-world situations.

Students participate in direct instruction, guided practice, independent activities, and targeted skill review. Aztec Learning supports additional study outside class. Lessons also reinforce workforce skills such as communication, accountability, teamwork, and practical problem solving.

LEARNING OBJECTIVES

By the end of this course, students will be able to:

- Use operations with integers, fractions, decimals, percents, ratios, and proportions.
- Apply order of operations, exponents, algebraic expressions, equations, inequalities, and formulas.
- Solve geometry, measurement, statistics, probability, and graph interpretation problems.
- Interpret scientific passages, diagrams, charts, tables, and experimental data.
- Identify hypotheses, independent and dependent variables, controls, and evidence-based conclusions.
- Build understanding of life science, physical science, and Earth and space science concepts.
- Use GED test-taking strategies, the GED formula sheet, and appropriate calculator functions.
- Use Aztec for skill review, independent practice, and progress monitoring.

COURSE INFORMATION

Course Title: Intermediate GED Math & Science

Course Level: Intermediate

Meeting Times: Tuesdays & Thursdays, 11:00 AM – 1:00 PM

INSTRUCTOR INFORMATION

Name: Mandy Kloth

Email: mkloth@cloud.edu

Phone: 785-492-5535

Preferred Communication Method: Email or phone

REQUIRED MATERIALS

Notebook or dry-erase board and a writing utensil.

A device with a reliable internet connection, Zoom capabilities, a functioning camera, and working audio (microphone and speakers or headphones).

A personal calculator is not required. TI-30XS MultiView calculators are provided for in-class use, and a virtual TI-30XS MultiView calculator is available through Aztec for at-home practice and study.

Instructor-provided handouts and GED practice materials will be used.

Same Goal Brighter Opportunities

LEARN | PRACTICE | GROW | SUCCEED