

ACT INSTRUCTIONAL MASTERY

MATH AGENDA



The content of the ACT Instructional Mastery Math course provides candidates with the information necessary to provide effective ACT Math test preparation, identify and recommend test-taking strategies, and understand test structure and content. This course is highly focused on using a variety of techniques—applicable to different types and levels of student—to solve ACT math problems.

Includes:

- Structure of the Math ACT Test
- Skills, vocab, symbols, formulas, and real-life settings on the Math ACT
- Using a Calculator
- Practicing with Authentic Math ACT Tests
- Tips and Memorizations

Why Take It?

- Comprehensive review of math coaching techniques
- Tools for teaching students of all levels
- Understand how each aspect of ACT math can be integrated into the general math curriculum
- Analyze Math test items and discern student misconceptions

ACT Math Professional Learning Example Schedule | 2-Day Course

Day 1

Time	Activity
8:00 AM–9:00 AM	Introduction, Math Test Overview
9:00 AM–10:00 AM	ACT Math Data Analysis
10:00 AM–12:00 PM	Test-taking and Test Prep Strategies
12:00 PM–12:30 PM	Lunch Break
12:30 PM–2:00 PM	Reporting Category: Number and Quantity
2:00 PM–3:00 PM	ACT Math Section Practice Test
3:00 PM–3:30 PM	Closing Activities

Day 2

Time	Activity
8:00 AM–9:00 AM	Reporting Category: Algebra
9:00 AM–10:00 AM	Reporting Category: Functions
10:00 AM–11:00 AM	Reporting Category: Geometry
11:00 AM–12:00 PM	Reporting Category: Statistics and Probability
12:00 PM–12:30 PM	Lunch Break
12:30 PM–1:30 PM	Reporting Category: IES and Modeling
1:30 PM–2:30 PM	Student Support and Preparation
2:30 PM–3:00 PM	Review
3:00 PM–3:30 PM	Math Knowledge Check

Topics Covered

ACT Math Test Overview

- Structure, Content, and Score Reporting of the ACT Math Test
- College and Career Readiness Standards (CCRS)

All about the Math Test

- Vocabulary on the ACT Math Test
- Symbols on the ACT Math Test
- Figures on the ACT Math Test
- Formulas and Rules on the ACT Math Test
- Real-life Settings on the ACT Math Test

Test-Taking Strategies

- Backsolving
- Using Numbers
- Problem Solving Tools
- Test Items with Multiple Methods
- Test Items with Graphs
- Test Items with Modeling

Student Support and Preparation

- Motivating Students
- Providing Social and Emotional Supports

