Transitions Math

Course Overview

Math skills are one of the most basic skills needed for almost every career. The Workforce Access *Transitions Math* online course is aimed at helping learners prepare for college-level mathematics. The course is intended to bridge the gaps between what a student has already learned and what he or she needs to know to succeed in postsecondary education and training.

Learning Outcomes

While taking this course, students will learn to:

- Apply the order of operations to write and evaluate expressions
- Define, evaluate, and simplify expressions containing exponents
- Add, subtract, and multiply polynomials
- Graph inequalities to determine if solutions are true
- Isolate the variable using addition, subtraction, multiplication, and division
- Solve word problems involving everyday situations
- Define slope, x-intercept, and y-intercept
- Apply the substitution method to solve a system of equations
- Use equations to solve rate applications involving motion
- Review perimeter and formulas for area
- Write quadratic equations in factored form
- Solve quadratic equations using perfect squares
- Solve quadratic equations by completing the square

Modes of Course Delivery

The *Transitions Math* course can be used as a core curriculum or as a supplement to enhance regular instruction. Because of this flexibility, the course can be delivered in a self-paced or a customized mode. Custom mode allows instructors to assign individual lessons and assessments and set the pace for the course.

Pacing and Course Duration

Sample 10-week and 12-week pacing guides are provided in the Teacher Planning Guide. The pacing guides can be used as is or adapted to account for shorter or longer terms to suit individual needs. Each of the lessons requires approximately 40-50 minutes of study. Additional academic skill support lessons, discussion prompts, and writing activities can be used to enhance students' learning.

Assessments and Reporting

Assessments for the course include interactive formative assessments within each lesson, as well as scored pretests and posttests for each lesson. Teachers and students can generate reports to show progress and mastery of industry and academic knowledge of skills.

How to Access *Transitions Math*

When you order *Transitions Math*, you will access everything you need in the ConnectED Learning Management System, including the core lessons, academic skill support lessons, teacher planning guide, lesson plans, and other useful resources. For more information on this or other *Workforce Access* courses, please go to **www.workforceaccess.com.**

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