

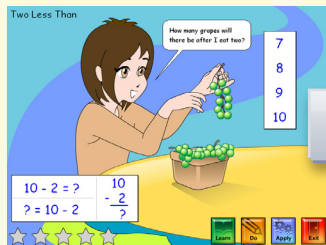
Algebra for Everyone.

The focus on algebra has increased with the push for formal algebra instruction by the 8th grade. It has been shown that the average U.S. math scores drop around middle school, when algebra coursework typically begins. With the link of higher graduation rates and college enrollment to success in algebra, student mastery is critical. Use Orchard's interactive algebra activities, which scaffold skills, to engage students and build confidence before they lose interest.

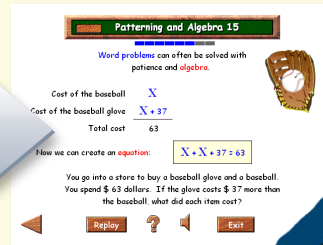
Orchard's Complete Algebra Solution – Assess, Instruct and Monitor

By using Orchard's state-specific assessments, educators may determine whether a student is prepared to begin algebra instruction or needs remediation first. Assessment results create instant intervention through differentiated instruction. Teachers may monitor student progress on assignments using Orchard's powerful reports.

Orchard's math instruction begins with kindergarten and the skills students learn at each grade level scaffold upon one another building up to algebra.



Principles of Math



Algebra, Patterning, & Logic 4-6

Aligned to Your State's Algebra Curriculum

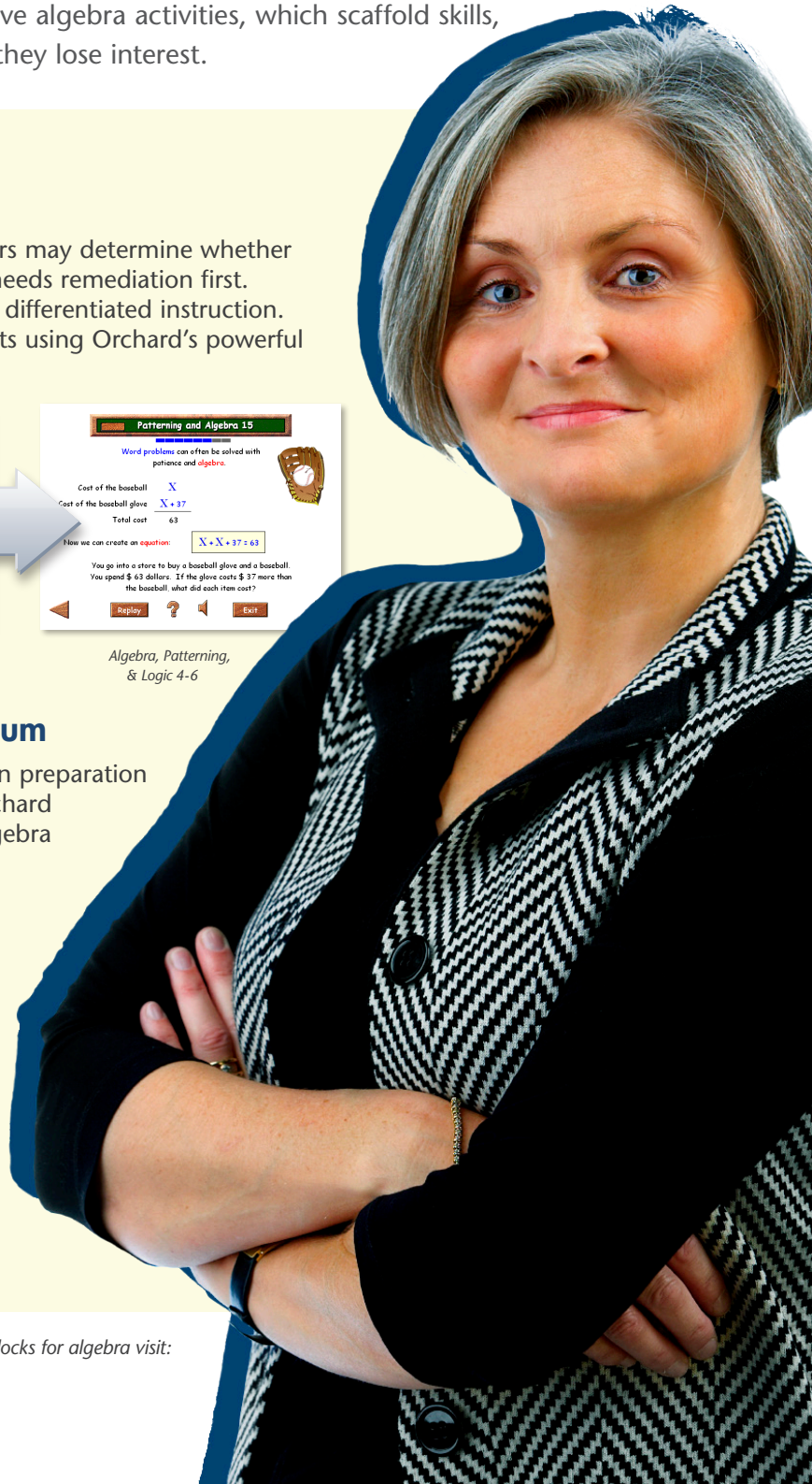
Whether it is for on-level instruction, remediation, or in preparation for algebra class work to come, math programs in Orchard focus on skills and concepts stressed in your state's algebra curriculum.

Orchard's NCTM-based Algebra is designed to enable students to:

- Understand patterns, relations and functions
- Represent and analyze mathematical situations and structures using algebraic symbols
- Use mathematical models to represent and understand quantitative relationships
- Analyze change in various contexts
- Problem solve

For more information on Orchard Math programs that serve as building blocks for algebra visit:

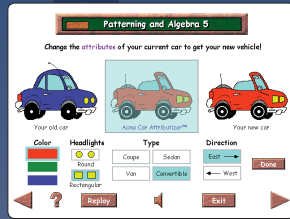
www.OrchardSoftware.com/math



The National Council for the Teaching of Mathematics advocates that technology, specifically the calculator and computer, be part of the school mathematics curriculum. Orchard's algebra programs complement classroom instruction by engaging students with interactive tutorials, graphics, animations, practice and quizzes. Tools including a scientific calculator, graphing tools, math journal, and glossaries aid students while they learn.

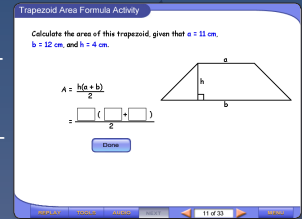
Algebra, Patterning, & Logic 4-6

In this engaging program students work through activities including networks, sum search, logic rules, patterning, equivalence, value of missing terms, and factor trees.



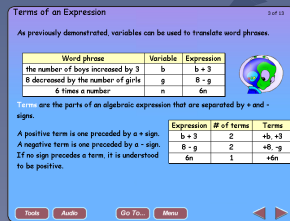
Algebraic Foundations 7-9

Interactive tutorials cover numbers, polynomials, factoring, rational expressions, equations, and inequalities. Each topic consists of two types of assessments— student-generated practice and teacher-generated quizzes with pre-selected questions.



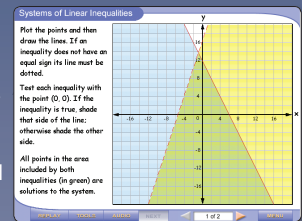
Patterning & Algebra Concepts 7-8

Carefully selected lessons teach and encourage application of key concepts including variables, expressions, patterns, relationships, equations, inequalities, graphs, graphing relations, interpolating and extrapolating.



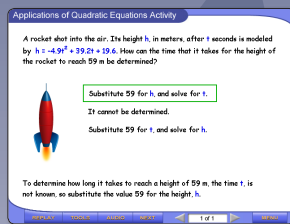
Linear Relations 7-9

Students learn to understand linear functions through interactive tutorials, activities, and problem-solving applications covering linear functions, slope and intercepts, interpolation, extrapolation, linear systems, and inequalities.



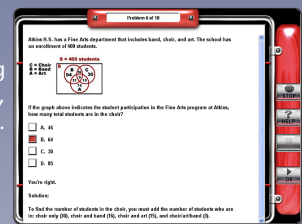
Quadratic Relations 7-9

Interactive tutorials cover quadratic equations, solving by isolation or by factoring, solving by completing the square, solving with quadratic formula, and quadratic functions.



Algebra I Exit Skills High School

Prepare students for skills taught in ninth grade and that appear on exit exams including graphing problems, expressions, equations, inequalities, and problem solving.



“Through the targeted practice and support of Orchard math, 70 percent of 10th grade students that previously failed passed the TAKS math assessment. Passing TAKS math is critical to graduating and these students are one step closer.”

—Berta G. Longoria, Principal, Alice High School, Alice, Texas



Visit www.OrchardSoftware.com, contact your local representative, or call 1-800-351-1404 for more information.

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Orchard Software is the recipient of many prestigious educational awards, including:



2007 Winner
Best of the Best in Educational Technology

Association of Educational Publishers



“BEST EDUCATION SOLUTION”

