

Quotes from teachers:

- “The *Fundamentals of Algebra* helped students recall and be familiar with the academic vocabulary needed in math...this software can only enhance and improve students’ abilities to use and interact with math words.” - Easter Finley, Sweetwater Union High School District GEAR UP Coordinator
- "The number of hours students used the *Fundamentals of Algebra* ranged from 1 to 9.6 hours, and students with more time on the program did score better on the post-test." - Marietta Minjares, GEAR UP Coordinator, Chula Vista Middle School (SUHSD)
- “My D and F students were participating in classroom discussions with vocabulary words that they learned from the software.” - Kevin Beiser, Math Teacher, Granger Jr High School (SUHSD)
- “I like the way the software addresses the three different learning modalities (seeing, hearing and touching) and the way it shows student progress at the bottom of the screen.” - Rod Regan, Math Teacher, Southwest Middle School (SUHSD)



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The role of language in teaching/learning...

- The knowledge and understanding needed to succeed in mathematics is embedded in the vocabulary used to teach it.
- Imagine the levels of attainable math skill levels if students were familiar with an algebraic noun or verb before the upcoming math lesson!
- Total Recall Learning’s *Fundamentals of Algebra* conveys this critical knowledge while developing a permanent cognitive scaffolding of mathematical cues and connections via a language-based interactive bilingual online program that also develops language skills for English Language Learners.



Please visit our Website to learn more about this new revolutionary way to learn. Make sure to visit the **Free Downloads** section, which provides several sample programs as well as full-featured products.

Please contact us directly per e-mail or phone, or visit the Total Recall Learning Website at:

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A+ The *Fundamentals* of Algebra



English and Spanish



This supplementary instruction is a completely new technology-based approach that has been proven to be effective at teaching mathematics to Hispanic students.

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Frightening facts about education:



"4% of Hispanic 12th graders are proficient at mathematics..." Rod Paige, Secretary of Education (2003)*

95% of California's 11th graders scored below proficient in Algebra I on the 2006 STAR test results.

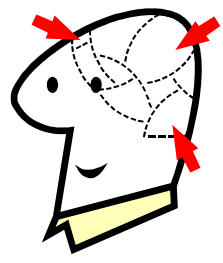
Nearly 90% of California's community college freshmen fail the math placement exam and have to take remedial math courses (pre-algebra).

Students that pass their 8th grade Algebra class are 10 times more likely to graduate from college.

* Source: US Department of Education

This software adds *retention* to today's math instruction by developing critical academic vocabulary into student long-term memory.

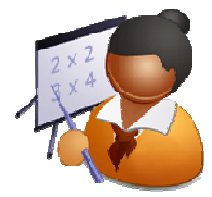
If information is not remembered it is not learned.



This program has over 600 questions broken down into eleven chapters that include Fractions, Decimals, Percents, Integers, Exponents, and other math concepts that have proven themselves to be the "gate-keeper" concepts that prevent our target students from succeeding in math.

Students are asked to type in answers to fill-in-the-blank academic vocabulary-building questions and then perform a few of these same types of problems. Close to 80% of the questions are vocabulary-related and the remaining 20% are executionable math problems.

The software's built-in repetition algorithm ensures that these basic, but crucial, definitions are in student long-term memory and can be recalled instantaneously when needed the most.



The *Fundamentals of Algebra* has been designed to supplement standardized mathematics instruction (i.e., textbooks, lectures, online programs) by teaching students the critical academic vocabulary needed to succeed in mathematics.

Fundamentals of
Algebra

AVAILABLE IN ENGLISH Y ESPAÑOL

LEARNING AWARENESS AND READINESS FOR COLLEGE
GEAR UP
 COLLEGE ACCESS FOR ALL

Other Titles Available:
 Algebra-I
 Introduction to Information Systems
 Fundamentals of Communication
 Marketing Masterfully
 Spanish-I & II (College)
 Finance

Recommended for grades 6 through college.