

it's a *simple* EQUATION...

$$TD_B = \int_0^{10} \frac{24t}{2t+3dt} = 83.336$$

$$V_b(2) = \frac{24(2)}{2(2)+3} = \frac{48}{7}$$

$$1/dx \csc x = -\csc x \cot x$$



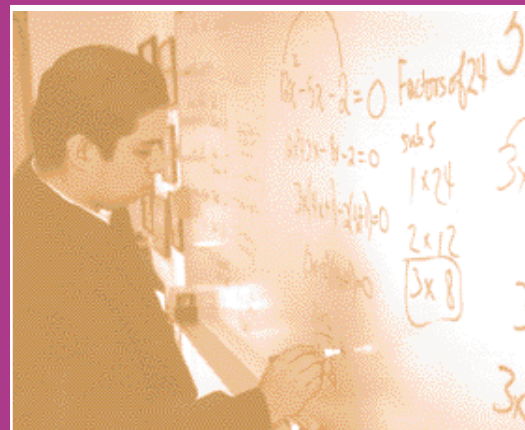
PASADENA INDEPENDENT SCHOOL DISTRICT
A TEXAS RECOGNIZED DISTRICT

A CHALLENGING curriculum and EFFECTIVE TEACHING LEADS TO advanced math skills.

concepts...

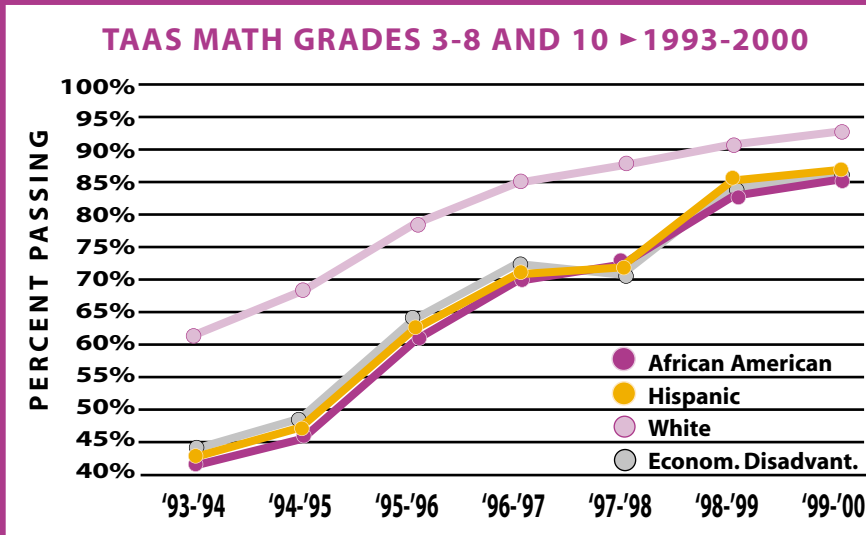
many adults learned in college are now finding their way into the intermediate and high school math curriculum. Whether it's learning algebraic concepts through the melodies of music or channeling the excitement and competitive nature of sports in motivating students to learn math skills, students at the secondary school level are learning more advanced mathematical concepts. Upper-level math courses, such as Geometry, now are growing in popularity among intermediate school students and are being offered at some campuses. By the time students enter eighth and ninth grades, the more complex equations are far less intimidating. Algebra has become the basic math course offered at the high school level with students earning college credit through Advanced Placement Calculus.

OUR STUDENTS' SUCCESS IN MATH IS LITERALLY IN THE NUMBERS...



In 1995, only 59 percent of students passed the math portion of the Texas Assessment of Academic Skills test.

THIS YEAR, SCORES JUMPED TO 90 PERCENT PASSING AMONG ALL STUDENTS.



WE HAVE A SIMPLE EQUATION FOR STUDENTS INTERESTED IN MATH. STRONGER CURRICULUM, PLUS IN-DEPTH STAFF DEVELOPMENT AND INNOVATIVE TEACHING BRINGS IT ALL TOGETHER. LET US COUNT THE WAYS:

intermediate level

While continuing to broaden students' knowledge in areas such as multiplication and division, teachers unveil new challenges at the intermediate level which promote higher-level thinking skills and help guide students to success when they reach high school.

Some of the areas students will learn about in sixth grade include the addition, subtraction, division and multiplication of decimals and fractions. Students also are introduced to using ratios and percentages to formulate equations and then chart their findings on different graphs. As part of the basic curriculum in seventh and eighth grades, students will learn the beginning concepts of algebra and geometry by using models, pictures, words and numbers to figure concepts such as areas and perimeters. Students also are asked to put their skills to work by using geometric principles to solve problems related to fields such as art and architecture. For those who excel in the basic

intermediate school math classes, some schools offer high school level algebra and geometry.

By learning these complex concepts, state statistics show students are proving to be better prepared to meet the challenges of high school math courses.

high school level

Linear equations. Quadratic and square root functions. These are just some of the math concepts students must understand as part of the basic high school math curriculum.

Algebra I and II and Geometry are the basic courses offered at the high school level and incorporate all of the skills students have learned at the elementary and intermediate levels. In these classes, teachers relate how these concepts are used in the real world in careers such as engineering and architecture. Students must master these courses in order to be able to take more advanced courses

such as pre-calculus, calculus and other advanced placement math courses. In the advanced placement courses, students actually can earn college credit while still in high school. Mathematics skills taught at the high school level in Pasadena ISD are aimed at serving as a springboard for success in college and the real world. ♦

WHETHER HELPING ELEMENTARY STUDENTS ADD 2+2, OR TACKLING OBSCURE CONCEPTS OF non-Euclidean geometry, YOU CAN COUNT ON ONE THING...

IN PASADENA ISD, STUDENT SUCCESS IN MATH IS A simple equation.

Pasadena ISD
secondary schools

INTERMEDIATE	South Houston 713.948.4741
Beverly Hills 713.948.4242	Southmore 713.920.8061
Bondy 281.998.5568	Thompson 281.929.3850
Jackson 713.920.8000	HIGH SCHOOLS
Miller 713.920.4200	Dobie 281.481.3000
Park View 713.948.4399	Pasadena 713.477.1501
Queens 713.920.8060	Sam Rayburn 713.477.3601
San Jacinto 713.920.8333	South Houston 713.944.2450



PASADENA ISD
A TEXAS RECOGNIZED DISTRICT
www.pasadenaisd.org

It is the policy of the Pasadena Independent School District not to discriminate on the basis of race, color, national origin, sex, age or handicap in its general and vocational programs, services or activities, or in its employment practices. Lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.
For information about your rights or grievance procedures, contact the Title IX Coordinator, Kirk Lewis, at 1515 Cherrybrook, Pasadena, TX 77502, (713) 920-6822, and/or the Section 504 Coordinator, Ricki Fischer, 1515 Cherrybrook, Pasadena, TX 77502, (713) 920-6824.