











What's our goal?

"By the Year 2000, United States students will be first in the world in mathematics and science achievement"

Goals 2000: Educate America Act -Pub. Law 103-227 (108 Stat. 125)- (1/24/1994 proposed)4/26/96 originally from the 1989 National Gov's Conference.

How are we doing: TIMSS AVERAGE ADVANCED MATHEMATICS PERFORMANCE OF ADVANCED MATHEMATICS STUDENTS IN ALL COUNTRIES NATIONS WITH AVERAGE SCORES SIGNIFICANTLY HIGHER THAN THE U.S. NATIONS WITH AVERAGE SCORES NOT SIGNIFICANTLY DIFFERENT FROM THE U.S. NATION NATION AVERAGE AVERAGE FRANCI 557 (ITALY) (RUSSIAN FEDERATION) CZECH REPUBLIC 542 469 SWITZERLAND 533 465 (GERMANY (UNITED STATES) 442 (AUSTRALIA) 52 (DENMARK) (AUSTRIA 436 (CYPRUS) 518 (LITHUANIA) 516 NATIONS WITH AVERAGE SCORES SIGNIFICANTLY LOWER THAN THE US GREECE SWEDEN 512 NATION AVERAGE CANADA NONE (SLOVENI 475



National Scale Score Results Across Years Grade 4 Grade 8 Grade 12 And an update ... 2004 NAEP Report (Mathematics) NO CHANGE in 17 yr olds... 130 130 NO CHANGE in 17 yr olds... 130 1996 2000 1996 2000





Why's this important?

The [National] Commission [on Mathematics and Science Teaching for the 21st Century] is convinced that the future well-being of our nation and people depends not just on how well we educate our children generally, but on how well we educate them in mathematics and science specifically" –

Before It's Too Late - pg. 4 - Sept 2000

Trad'l Approach theoretic Background Individual Transman Content (E/M) Transman Content (E/M)





