

## Why are these PLTW numbers significant?

- 1957** -Launch of Sputnik, and National Defense Education Act response  
-Theory of superconductivity derived at UIUC (1972 Nobel Prize to Bardeen, Cooper, Schrieffer), the underlying technology for MRI, radio telescopes and more;  
-Little Rock Nine high school integration showdown
- 19** Number of new Illinois PLTW schools in 2007-08 (14 HS; 2 community colleges; 3 MS)
- 21** Number of Illinois PLTW certified schools
- 61** Total number of 2007-08 Illinois PLTW schools (51 high schools/career centers, 4 community college sites for HS students, 6 middle schools)
- 69** Number of Illinois teachers attending 2007 Summer Training Institutes in Illinois (42) or other states (27)
- 126** 126 Number of Illinois teachers trained in one or more PLTW courses (note: 2 are trained in four courses)
- 21.0201** ISBE CIP code for new Pre-engineering approved CTE program (more than  $\frac{3}{4}$  of Illinois PLTW schools offer CTE credit for PLTW courses)
- 1414** Estimated number of 2007-08 GTT middle school students in Illinois (4 of 6 schools reporting)
- 1454** Number of Illinois 2006-07 PLTW high school enrollments (95% reporting)
- 82/18** Percentage of 2006-07 Illinois PLTW high school male/female enrollments (note: Biotech had best female ratio at 37%; in 2007-08 school year, female Biotech enrollment surpasses male enrollment)
- 70/30** Percentage of 2006-07 Illinois PLTW high school white/non-white enrollments  
Afro-American 158/85 (17%)  
Asian 40/17 (4%)  
Hispanic 91/23 (7%)  
Native American 0/2 (1%)  
Multi-Racial 13/0 (1%)  
White 894/131 (70%)  
Note: Ratio of females to male enrollments is higher for Afro-American (35%), Asian (30%), Hispanic (20%), Native American (100%) than for Multi-Racial (0) and White (13%).
- 675** Number of 2007-08 IED students in the 16 new Illinois schools alone
- 3600** Estimated number of 2007-08 Illinois high school PLTW students (data still being collected; based on STI teacher surveys, online 07—08 data reports, and extrapolations from 2007 data and new course offerings for 07-08 in continuing schools)
- 2007** -50<sup>th</sup> Anniversary of Sputnik;  
-10<sup>th</sup> Anniversary of Project Lead the Way  
-Space stations; nanotechnology; green architecture; biotechnology frontiers  
-Increased meaningful and challenging integrated academic and career and technical education experiences in K-12 schools, incorporating strong literacy, math, science applications  
-More than 50% of college students are women; PLTW strives to help more women and under-represented minorities to make contributions in engineering and engineering technology fields.