

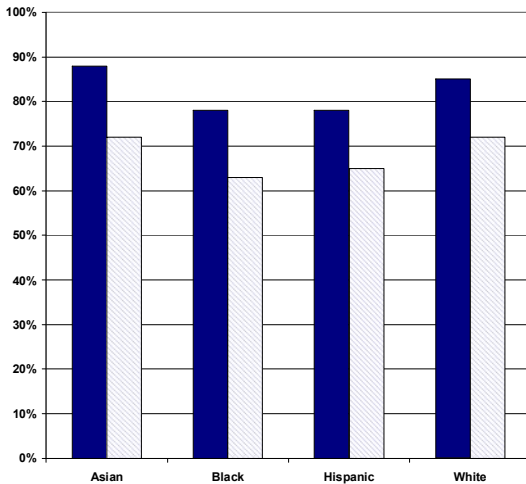
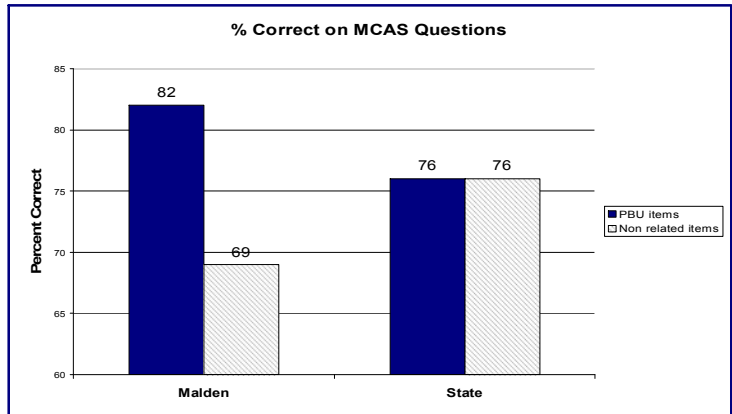
# LEARN 21C Evaluation Brief

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## Students Participating in the *Saugus Iron Works* PBU Scored Higher on 2005 Science and Technology/Engineering MCAS Items Related to the PBU than on Items not Related to the PBU

Analysis of MCAS data performed by an independent evaluator reveals that fifth grade students in Malden who participated in the *Saugus Ironworks* PBU scored higher on PBU-related MCAS questions compared to non-related MCAS questions. The graphic on the right illustrates that Malden students performed substantially better on items related to the PBU, as compared with non-related items.



Differences in achievement exist across racial/ethnic groups. See graphic to the left.

Moreover, differences exist across all schools in Malden. (See Table below.)

The analyses also reveal that teachers prepared for the

PBU implementation to varying degrees and implemented the unit at differing levels. For additional details see full report published in the *SIW User Guide Booklet* or online at the *SIW Blog site*. <http://tritec-inc.org/blogs/siw>

### Students Performed Better on PBU Related MCAS Items in All Malden Public Schools

	Beebe (n=108)	Ferryway (n=104)	Forestdale (n=66)	Linden (n=77)	Salemwood (n=123)	PBU Students Overall	State
% PBU Related MCAS Items Correct	86%	87%	76%	87%	74%	82%	76%
% Non-related MCAS Items Correct	72%	66%	64%	78%	68%	69%	76%

Note: Difference in percent correct for PBU students overall is statistically significant ( $t=14.01$ ;  $p<.0001$ )