

In a state and region where its high-technology industry leads the world in technology development the public school system is challenged to produce a qualified workforce to support the economic development of the region. This 2002 Technology Education study identifies a real workforce development problem. Public education is cutting technology education.

Decline of Technology Education

Silicon Valley 2002

School District	# Instructors 1970	# Instructors 2002
Campbell Union H/S District	18	6
East Side Union H/S District	57	8
Fremont Union H/S District	25	2
Gilroy Unified	4	2
Los Gatos–Saratoga Joint Union	8	2
<i>Metropolitan Education</i>	<i>data not available</i>	8
Milpitas Unified	10	2
Morgan Hill Unified	5	1
<i>Mt. View-Los Altos Union</i>	?	0
<i>Palo Alto Unified</i>	?	3
<i>San Jose Unified</i>	25	<i>data not available</i>
Santa Clara Unified	20	3
44 SV High Schools	147	26

Reduction =	82%
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(Corrected for missing data by Dr. Seth P. Bates, Jan 16, 2006)

Decline of Technology Education

Silicon Valley 2002

Subject	Sections	Laboratories
Electronics Tech	28	8
Drafting Tech	39	16
Metals Tech	16	5
Wood Tech	35	13
Auto Tech	45	13
Computer Tech	16	10
Manufacturing Tech	7	2
Engineering Tech	20	5
2002 totals	206	72
1970 totals (approx)	860	172
Change	-654	-100

Reductions =	76%	60%
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Numbers of Technology-Educated Students...

- in 1970 - 860 sections = 21,500 students annually
- in 2002 - 206 sections = 5,150 students annually
equivalent to 16,350 not technology trained annually

*~Source: Monroe and Doree, White Paper, 2002
from a 2002 Manufacturing and Product Development Industrial Sector Grant*