

The Technology Condition Index (TCI) School Year 2021-2022 Narrative Report

August 23, 2022

The school district's hardware inventory data between School Year 2020-2021 and School Year 2021-2022 shows the following key results:

- The overall TCI for the TUSD rating remains the same as the previous year, from 4.87 to 4.87
- The student's device index rating shows an increase from last year's 4.81 to the current year's 4.84.
- The Teacher Proficiency index slightly fell from 4.93 to 4.85, a reduction of 1.66 percent.
- The Wireless Index rating decreased from 5.00 to 4.91.

The following tables show the result of the SY 2020-21 and SY 2021-22 Technology Conditions Indexes rating.

TCI SY 2020-21 District Avg	TCI SY 2021-22 District Avg	% Change from SY 2020-21
4.87	4.87	0%

Classroom TCI SY 2020-21	Classroom TCI SY 2021-22	% Change from SY 2020-21
4.81	4.84	0.62%
Teachers Proficiency TCI SY 2020-21	Teachers Proficiency TCI SY 2021 -22	% Change from SY 2020-21
4.93	4.85	-1.62%

Wireless TCI SY 2020-21	Wireless TCI SY 2021-22	% Change from SY 2020-21
5.00	4.91	-1.82%

IX.C.1.b - TCI Summary of Results

The table shows the student device counts between the SY 2020-21 and SY 2021-22.

Students Computer	Total Units SY 2020-21	Total Units SY 2021-22	N. Change from SY 2020-21	% Change from SY 2020-21
Desktop	9,627	7,794	-1,833	-19.04%
Laptop	21,279	34,255	12,976	60.98%
Tablet	8,482	7,814	-668	-7.88%
Total	39,388	49,863	10,475	26.60%

The table shows the average number of students per computer by school level between the SY 2020-21 and SY 2021-22. (For example, 0.86 show one student has one computer. 1:1 Ratio)

School Level	SY 2020-21	SY 2021-22	N. Change from SY 2020-21	% Change from SY 2020-21
Elementary	0.93	0.86	0.07	8.14%
K-8	1.00	0.84	0.16	19.04%
K-12	0.26	0.16	0.10	62.50%
Middle	1.10	0.67	0.43	64.18%
High School	1.54	0.58	0.96	165.52%
District Avg	0.97	0.78	0.19	24.36%

Notably, the Technology Condition Index report indicated a slightly decreased in the district's desktop and tablet inventory during SY 2021-2022. On the other hand, the district's laptops increased by 60.98 percent, which increased the contribution of one laptop per student (1:1) Ratio across all the schools in the district.

The Technology Services team also observed a slight decrease in student desktops and tablets as a part of the technology performant improvement process; several of the desktops, tablets, and other outdated hardware devices went for disposal. In addition, the school district purchased high-quality new machines to replace obsolete devices. Those new machines will be absorbed into standard school inventory over the 2022-2023 school year and counted as part of future indexes.