



**To:** Dr. Charles Johns  
Board of Education

**From:** Mr. Ryan Manly  
Dr. R.J. Gravel

**Date:** Monday, August 22, 2022

**Re:** Award of Laptop Purchase for Glenbrook North and South CTE Classes

**Recommendation**

It is recommended that the Board of Education approve the purchase of (161) Dell Precision 3571 computers for student computer labs for \$242,750.97.

**Background**

At the May 18, 2016 meeting, the board approved a large purchase of computer equipment. This purchase included student and staff devices for three CTE labs at Glenbrook South and one at Glenbrook North.

Beginning in the summer of 2020, the technology services team started to explore CTE hardware and software solutions, including cloud-based app streaming technologies. As part of that process, Mr. Ryan Bretag and Mr. Ryan Manly met with instructional supervisors, teachers, solution providers, and the PLTW organization's leadership to analyze the benefits and constraints of these cloud-based technologies.

After completing the exploration of cloud-based app streaming solutions that included student and teacher feedback, it was determined this technology was not optimal for instructional purposes. As a result, the technology services team started selecting a replacement device for the four CTE labs.

**Selection Process**

CTE teachers were asked to provide a ranked list of their needs based on curricular requirements for a new device. Examples of requests received included:

- Two USB-A ports;
- 10-key keyboard; and an
- SD-Card slot.

Three manufacturers were subsequently offered an opportunity to recommend a device that fulfilled all of the requirements specified by the district. These manufacturers included: Dell, Lenovo, and HP. Each manufacturer offered a demonstration device for review, which was made available to teachers at each school.

Table 1 illustrates the quotes received for the devices considered.

**Table 1**  
***Manufacturer Price Comparison***

<b>Manufacturer</b>	<b>Unit Cost and 3-Year Warranty</b>	<b>Unit Cost and 5-Year Warranty</b>
Dell	\$1,387.71	\$1,507.77
HP (CDWG)	\$1,536.97	
Lenovo (CDWG)	\$1,433.25	
Lenovo (ComputerDrive)	\$1,459	

After reviewing quotes, it is recommended that the Board of Education approve the purchase of (161) Dell Precision 3571 computers. Given the challenges associated with after-warranty repairs of these devices, the technology services department has also recommended the purchase of a 5-year warranty. This will ensure that the devices have access to manufacturer-provided repair and replacement services throughout the estimated life of the devices.