



**To:** Dr. Mike Riggle  
Board of Education

**From:** Dr. R.J. Gravel  
Dr. Kimberly Ptak

**Date:** Monday, May 21, 2018

**Re:** Class of 2022 Chromebook Purchase

### **Recommendation**

It is recommended that the Board of Education approve the purchase of 1,400 Lenovo 500e Chromebooks with the Google Chrome Management License from CDWG at a cost of \$409,416.

### **Background**

For the past four years, the District has selected the most recent iteration of the Lenovo ThinkPad Yoga 11e Chromebook (11e). The 11e device has performed extremely well with regard to durability and functionality, as demonstrated by the claims and repair data presented on pages 3 and 4 of this document. At the end of March, the District learned that Lenovo would stop production of the 11e in May or June of this year. In place of the 11e, they have launched a new product, the Lenovo 500e Chromebook (500e). Our technology services team has reviewed the specifications between the devices, and has also performed a series of durability tests. Some key differences between the 11e and 500e include:

- The 11e has 1 USB 3.0 and 2 USB C ports and an SD card reader; the 500e has 2 USB 3.0 and 2 USB C ports and a Micro SD card reader
- The 500e has a digital stylus; the 11e does not
- The 500e has an additional "world facing" camera; the 11e does not
- The 11e weighs 3.3lbs; the 500e weighs 2.98lbs

Both devices feature spill-proof keyboards and touchpads, mechanically anchored keys, rubber bumpers around the LCD and base, Gorilla Glass, reinforced ports, corners and hinges. From a technical specification perspective, both devices include Intel Apollo Lake processors, 4GB of memory, 32GB of internal storage.

Recognizing the anticipated discontinuation of the 11e, the durability of the 500e, as well as the price difference (approximately a \$71 savings with the 500e) we have selected the 500e as the device for the incoming freshman Class of 2022. A formal bid was conducted and sent to ten vendors. Bids were opened on Monday, May 14, 2018 and three of the ten vendors submitted a bid.

	<b>Lenovo 500e</b>	<b>Google Chrome Management License</b>	<b>Total</b>
<b>CDW</b>	\$268.94	\$23.50	\$292.44
<b>Computer Drive</b>	\$281.78	\$23.50	\$305.28
<b>PCM</b>	\$287.21	\$23.00	\$310.21

### Chromebook Fee

The annual Chromebook fee is assessed to all students (up to a maximum of 4 years) for the use of a Chromebook during their high school career. After making the designated amount of payments, the Chromebook becomes property of the student. At the March 19, 2018 Board meeting, the 2018-19 fee of \$100 was approved. The current payment schedule for students as of the 2018-19 school year is as follows:

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>4-Year Total</b>
<b>Class of 2019 Seniors</b>	\$110	\$110	\$100	\$100	<b>\$420</b>
<b>Class of 2020 Juniors</b>	\$110	\$100	\$100	\$100	<b>\$410</b>
<b>Class of 2021 Sophomores</b>	\$100	\$100	\$100	\$100	<b>\$400</b>
<b>Class of 2022 Freshmen</b>	\$100	\$100	\$100		<b>\$300</b>

Because of the decreased cost of the Chromebook for the 500e, to be first used by the Class of 2022, it is recommended that the amount of payments for the Chromebook be reduced to (3) payments. A breakdown of the the Chromebook fee budget is presented in the following table:

	<b>FY2016 Class of 2019 Seniors</b>	<b>FY2017 Class of 2020 Juniors</b>	<b>FY2018 Class of 2021 Sophomores</b>	<b>Est. FY2019 Class of 2022 Freshman</b>
Device Cost	\$376	\$369	\$367	\$268.94
Extended Warranty	\$20			
Chrome Mgmt. License				
<i>Subtotal</i>	\$396	\$369	\$367	\$268.94
Self-Insurance Fund	\$22 \$11/Year 1 & 2  \$2 \$1/Year 3 & 4	\$17.75 Year 1  \$23.25 \$7.75/Year 2, 3 & 4	\$33 \$8.25/Year	\$31.06 \$7.77/Year
<b>Total Cost to Student</b>	<b>\$420</b>	<b>\$410</b>	<b>\$400</b>	<b>\$300</b>

In addition to ownership rights after four years of payment, students are provided with a comprehensive insurance program at no additional cost. Information regarding coverage is indicated on the attached *Chromebook Rights and Responsibilities* document. Balance in the self-insurance reserve is \$99,106.03; of which approximately 60% is a result of the early Samsung devices when the district bought third party insurance coverage and, due to the high number and cost of claims, the insurance company paid the district to fix the devices in-house.

A cost of this program not reflected in the table above is the cost of the loaner and replacement pool. 100 devices are typically purchased each year to serve as a loaner and replacement pool. The total cost for FY 18/19 is \$26,894 which equates to \$5.17/student per year.

The Lenovo Chromebook product line has performed extremely well with regard to durability and functionality. With over 5,100 devices currently in use, the expense of claims through April 1, 2018 was only \$9,219. A summary of the types of claims and repairs is summarized in the tables that follow:

