

ATTACHMENT NO. X-E

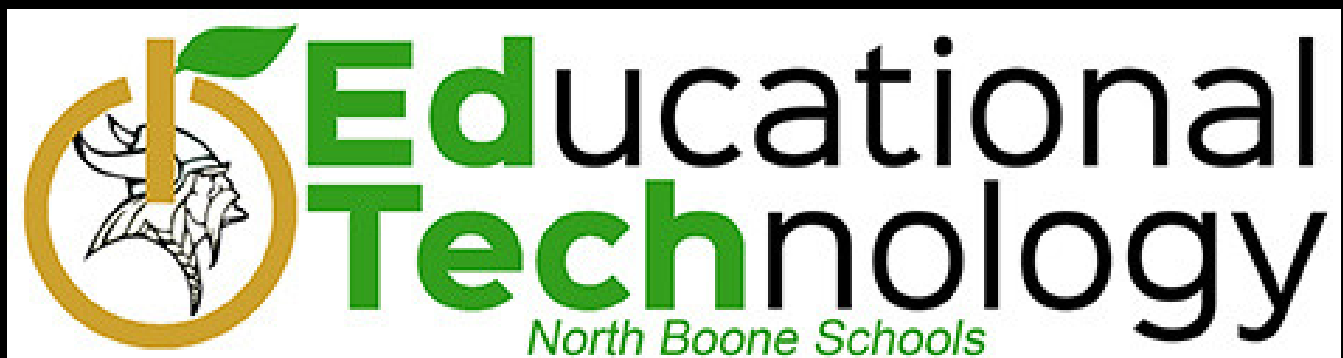
ATTACHMENT NO. X-E: Technology Purchases

Potential motion: Move to approve the Summer Staff Laptop, Desktop and student Chromebook purchase

Recommended action: Approve the motion.

It is recommended to use 2017-18 Title One funds to purchase 60 student Chromebook computers for the use at Upper Elementary, 100 touch screen Chromebooks that support a new k-2 test at each k-4 building, purchase 50 new laptops with docking stations to replace aging staff desktops, and purchase 60 off-lease desktops that have 5 year warranties to replace 8 year old desktops around the district from the 2018-19 Technology Budget.

Proposed to:
North Boone School
Board



**SUMMER STAFF
LAPTOP, DESKTOP
AND STUDENT
CHROMEBOOK
PURCHASE**

AS PROPOSED BY:
JERRY RUDOLPH

For the purpose of;
To make the board aware of all large tech purchases.



2017-18 Title One Chromebooks for Upper Elementary.

Technology in curriculum has significantly increased over the past 5 years. Each school year I send out a survey asking teachers what technology is needed for the following year. For the past two years, Upper Elementary has requested more student devices. This grant has enough money to purchase **69 HP G6-EE devices**. We would then utilize two used carts that we have in inventory. The carts would be shared amongst the teachers for activities such as schoology, google apps, and many other web based apps that relate to the subject matter.

Touch Screen Chromebooks for k-1 elementary Students. Due to new k-1 maps testing requirements, our younger students are in need of a touch capable device. After researching, and getting my hands on a few devices, I found the **Lenovo 500E** to be the strongest device shell and screen. Over a months span, the Lenovo 500e was tested by the tech staff, and principal Molly Lilja.

The screen is made of Gorilla® Glass 3. This glass is three times stronger than its predecessor Gorilla® Glass 2. We would like to request **100 devices and 3 smart carts**. The "Smart" carts will only apply power to the devices that need it, saving electricity and the potential of blowing breakers.

Staff laptops

With aging desktops, and many requests for staff to work while outside of the district, we decided to move forward with requesting **50** laptops with docks. The staff and tech department tested 6 different laptops made by two manufactures, before deciding to go with the **HP 640 G4** in the 15" screen size. It is an industry proven, reliable machine that we are confident in.

Off-lease desktops

Our HP 500b fleet is rounding 8 years of service. Here is an affordable option to **replace 60** devices around the district with an **HP EliteDesk 800G1 SFF 15.8qb, 128 gb ssd, 5 year DIY parts warranty**. Between other districts success stories, and the **5 year parts warranty**, we are comfortable with off lease.

Equipment



HP Chromebook G6 -EE

Empower students to create, collaborate, and learn with the rugged HP Chromebook 11 EE. Built with co-molded rubber, reinforced corners, and a manageable, secure, and intuitive Chrome OS™, it enables access to thousands of educational Android™ apps¹ and has universal USB-C™ connectivity and charging.

HP Chromebook 11 G6 EE, Celeron Processor N3350 (1.10 GHz w/T, 2MB Cache), 4GB,2400 on MB16GB eMMC, 11.6 LED HD SVA AG, UMA: HD 500, No Optical, 802.11a/b/g/n/ac (2x2); BT 4.2, BT, TPM H1, Slot Lock, 720p HD webcam, Chrome OS, 13 hour battery.
1 Year Warranty. (Not purchasing color shown above)



The 11.6-in 2-in-1 **500e Chromebook** perfectly blends technology with the premium classroom experience. It has powerful processing, a 360-degree hinge for four modes of interaction, a garaged electromagnetic resonance [EMR] pen, world-facing camera, and numerous features making it rugged enough to handle the roughest treatment.

Lenovo 500e Chromebook, Intel N3450, 11.6inch HD Convertible Touch Display with Gorilla Glass, Chrome OS, 4GB Memory, 32GB EMMC, Intel 7265 2X2 AC + BT4.1, 1.0M HD Camera, 5MP World Facing Camera (dual camera), Garaged EMR Pen, 3 Cell 42 WH 13 Hour Battery,
1 Year Warranty.



MD-5130-SMART

Power sensors and charging logic deliver the fastest charge, always charging as many devices at once as possible and you never have to worry about overloading a circuit.

JAR Systems Ultra-Light Intelligent Cart **MD-5130-SMART** - Cart for 30 tablets /notebooks - lockable - steel - screen size: up to 14"1.
5 Year Warranty.



Off Lease HP 800 G1 I5 3.2Ghz, 8GB, 128GB SSD, DVD-ROM
NO OS. They will send us parts to fix any broken components for up to
5 years!



When it comes to daily use business laptops, the HP Probook 650 G2 is a time tested, proven workhorse. We have paired this laptop with an easy to use dock that will make it quick and convenient to work outside of the classroom. This combo will give our staff the speed and reliability they need to add value in our district.

HP ProBook 650 G2

Core i5 6200U / 2.3 GHz - Win 10 Pro 64-bit - 8 GB RAM - 512 GB SSD
- DVD SuperMulti - 15.6" 1920 x 1080 (Full HD) - HD Graphics 520 -
Wi-Fi, NFC, Bluetooth
1 year Warranty



Winning Quotes

Each quote was carefully looked over to ensure NBCUSD get's the best possible products that we can afford. After receiving the bids, we decided to pick and choose different items from different bids based on low price.

Winning Project Bids

HP 650 Laptop:

ITSavvy \$54,250

Lenovo 500E Chromebook Insight:

Insight \$32,286

HP G6-EE Chromebook

SHI \$14,973

Jar-Systems Smart Cart

SHI \$3,582

Off Lease HP Elitebook 800 g1

Compugen \$18,000