Student Device Selection

Summary Report & Recommendations

Eanes ISD • 2019-2020

Table of Contents

Student Device Selection

History of 1:1 in Eanes ISD

In 2011, Eanes ISD started the journey into a 1:1 implementation for high school students. District leaders believed that by providing students with a device, to be used as part of their learning experiences, they would become more engaged in the learning processes, modify their learning behaviors, and shift their learning perspective from consumers of content to active curators and creators. As the 1:1 learning model was developed, instructional leaders created goals to measure the success of the implementation. The initial goal for the project was to create and support a technologically-rich educational environment that enhances individual learning.

As the 1:1 model evolved to include additional grade levels, goals and objectives for the program were developed to include improving the user learning experience, updating instructional supports, adopting digital materials and updating building infrastructure to support the 1:1 device usage and instructional needs. The events, listed below, provides a glance at the multi-staged approach to the 1:1 device implementation through the 2019-20 school year.

Timeline of Events

Year	Action
2011	Infrastructure - Wireless upgrades at WHS
2011	Infrastructure - Adoption and implementation of Google Suite for Education
2011	iPads distributed to special education students at WHS
2011	Students - WHS iPad Pilot
2012-13	Infrastructure - Updated classroom projectors, SMARTboards and Junos were installed
2013	Teachers - Distributed MacBooks to staff
2013	Teachers - Professional development on mobile learning
2013-14	Students - Each student in grades K-12 are assigned iPad
2015	Infrastructure - Bond passes to include technology items to support 1:1 initiative
2015	Leadership - Digital Learning Task Force was established to provide leadership and guidance to the 1:1 initiative
2016	Infrastructure - Implemented directory services, web filter and firewall and automated digital textbooks
2016	Students - Device refresh for all K-12 students
2016	Students - WHS Business Incubator program
2017	Teachers - Device refresh for all K-12 teachers
2017	Leadership - Established Digital Privacy Agreements (DPA)
2017	Infrastructure - Update wireless and networks
2017	Infrastructure - Installed Apple TVs in all K-12 classrooms
2018	Infrastructure - Installed Design Lab at WHS
2018	Students - Middle school students began App Coding classes
2018	Leadership - Digital Learning Task Force was revised
2018	Infrastructure - Home web filter pilot
2019	Leadership - Parent Feedback
2019	Leadership - Elementary Focus Group established
2019	Infrastructure - Green iPad was developed for grades K-5

Timeline of Events continued

Year	Action
2019	Leadership - App Evaluation Rubric and Processes were established
2019	Leadership - Approved App List, support documents and website were created
2019	Infrastructure - Home web filter on all K-12 devices
2019	Infrastructure - Managed Apple IDs
2019	Teachers - Middle School Focus Group established
2019	Infrastructure - Rostering for curriculum materials
2019	Infrastructure - Added wireless security
2020	Leadership -Technology Advisory Committee established
2020	Leadership - Secondary parent surveys
2020	Infrastructure - Green iPad 2.0 is designed
2020	Infrastructure - Preparation for K-12 student device refresh
2020	Leadership - Middle School Focus Group makes recommendation for student device
2020	Leadership - Technology Advisory Committee makes recommendation for student device
2020	Leadership - Obtain Board Approval for student and staff device recommendations

2020

Student Device Selection

Thoughtful Use of Technology

Eanes ISD Beliefs

Eanes ISD believes technology is the intentional, purposeful integration of developmentally appropriate digital tools, materials, and knowledge used to enhance student engagement and learning for everyone in our learning community. We believe technology enhances opportunities for differentiation, creation, collaboration, critical thinking, and digital citizenship.

Student Device Options

High School

Based on device function, student need and budget limitations, the district proposed four different options for the high school students. Device specifications, features and functions are included in the table on page 7.

Apple 7th Gen. iPad with Logitech Rugged 3 Case	**Display**: 10.5-inch Retina display **Camera**: Front and Rear facing **Input**: Multi-touch screen with optional pencil and keyboard **Battery Life**: Up to 10 hours **Storage**: Up to 128 GB **Online Storage:** Up to 200 GB online with Managed Apple ID **Weight**: 1.07 pounds without case **Apps**: More than 180,000 apps designed for education plus 1.3 million apps in the Apple App Store Link to iPad specs	Link to Rugged 3 Combo Case specs
Apple MacBook Air	**Display**: 13.3-inch LED **Camera**: Front facing **Input**: Keyboard, multi-touch trackpad **Battery Life**: Up to 13 hours **Storage**: Up to 128 GB SSD **Memory:** 8GB **Weight**: 2.75 pounds without case **Ports**: 3.5 mm headphone jack, USB-C (2), display, thunderbolt, USB-C 3.1 Link to MacBook specs
Dell Chromebook 1590 2-in-1 for Education	**Display**: 11.6-inch HD **Camera**: Front and Rear facing **Input**: Keyboard, touchscreen, stylus **Battery Life**: 8 hours **Storage**: Up to 64 GB **Online Storage**: Unlimited cloud storage via Google Drive **Weight**: 3.08 pounds **Apps**: Web apps for Chrome browser plus Android apps and G-Suite for Education Link to Chromebook specs
Dell Latitude 5300 2-in-1 Laptop	**Display**: 13.3-inch FHD **Camera**: Front facing **Input**: Keyboard, touchscreen, stylus **Battery Life**: Up to 13 hours **Storage**: Up to 256 GB SSD **Memory**: 8GB **Weight**: 3.15 pounds without case **Ports**: Universal audio jack, USB (2), SD 4.0 memory card reader, HDMI 1.4 Link to Latitude specs

Device Options

Middle School

Based on device function, student need and budget limitations, the district proposed two different options for the middle school students. Device specifications, features and functions are included in the table below.

Apple 7th Gen. iPad with Logitech Rugged 3 Case	**Display**: 10.5-inch Retina display **Camera**: Front and Rear facing **Input**: Multi-touch screen with optional pencil and keyboard **Battery Life**: Up to 10 hours **Storage**: Up to 128 GB **Online Storage:** Up to 200 GB online with Managed Apple ID **Weight**: 1.07 pounds without case **Apps**: More than 180,000 apps designed for education plus 1.3 million apps in the Apple App Store Link to iPad specs | Link to Rugged 3 Combo Case specs
Dell Chromebook 1590 2-in-1 for Education	**Display**: 11.6-inch HD **Camera**: Front and Rear facing **Input**: Keyboard, touchscreen, stylus **Battery Life**: 8 hours **Storage**: Up to 64 GB **Online Storage**: Unlimited cloud storage via Google Drive **Weight**: 3.08 pounds **Apps**: Web apps for Chrome browser plus Android apps and G-Suite for Education Link to Chromebook specs

Technology Specifications

Features & Functions	iPad	MacBook Air HS Only
Group	**High School & Middle School**	**High School Only**
Estimated Cost *No bids have been collected. Prices are estimated on quantity and educational pricing.*	$400/unit *Price includes keyboard case.*	$1200/unit *Price includes protective case.*
Estimated Repairs	$90/unit *Price based on prior repairs or screen replacements.*	Unknown *Actual price would be determined based on damage.*
Device Protection	• Protective case with keyboard *3 year warranty*	• Protective case
Timeline & Distribution	Fall 2020 *High School Students* Spring 2021 *Middle School Students* Spring 2021 *Elementary Students*	Fall 2020 *High School Students* Spring 2021 *Middle School Students* Spring 2021 *Elementary Students*
District Professional Development	• Fall 2020 *New employees only.*	• Fall 2020 *New employees only.*

Technology Specifications

Features & Functions	iPad	MacBook Air
Group	**High School & Middle School**	**High School Only**
A/V Streaming (Classroom projection)	Apple TV *Currently 620 devices installed across the district.*	Apple TV *Currently 620 devices installed across the district.*
Classroom Management and Monitoring	Free solution in place with student rostering.	Free solution in place with student rostering.
Creative Apps or Software	• GarageBand • iMovie • Adobe Creative Cloud • Mobile Apps • Office 365 Apps & Web	• GarageBand • iMovie • Adobe Creative Cloud • Google Suite Web • Office 365 Software & Web
Productivity Apps or Software	• Google Suite Apps & Web • Office 365 Apps & Web • Pages • Keynote • Numbers *Allows Apps from the App Store.*	• Google Suite Apps & Web • Office 365 Apps & Web • Pages • Keynote • Numbers *Allows software to be installed.*
Vendor Professional Development or Certifications	• Apple Teacher • Apple Distinguished Educators • Apple Distinguished Schools	• Apple Teacher • Apple Distinguished Educators • Apple Distinguished Schools • Google Certified Educator Levels 1 & 2

Technology Specifications

Features & Functions	Chromebook	Latitude
Group	**High School & Middle School**	**High School Only**
A/V Streaming (Classroom projection)	Chromecast *No current solution in place. Estimated at $35/unit.*	Miracast or Unity *No current solution in place. Estimated at $75/unit.*
Classroom Management and Monitoring	No current solution in place.	No current solution in place.
Creative Apps or Software	• Google Suite Web • Office 365 Web • Adobe Creative Cloud *Does not allow software to be installed.*	• Adobe Creative Cloud • Google Suite Web • Office 365 Software & Web
Productivity Apps or Software	• Google Suite Web • Office 365 Web *Does not allow software to be installed.*	• Google Suite Web • Office 365 Web *Allows software to be installed.*
Vendor Professional Development or Certifications	• Google Certified Educator Levels 1 & 2	• Google Certified Educator Levels 1 & 2

Technology Specifications

Features & Functions	Chromebook	Latitude
Group	**High School & Middle School**	**High School Only**
Estimated Cost *No bids have been collected. Prices are estimated on quantity and educational pricing.*	$400/unit *Does not require a protective case.*	$1000/unit *Price includes protective case.*
Estimated Repairs	$100/unit *Actual price would be determined based on damage.*	Unknown *Actual price would be determined based on damage.*
Device Protection	• No case needed	• Protective case
Timeline & Distribution	Fall 2021 *High School Students* Spring 2022 *Middle School Students* Spring 2022 *Elementary Students* *With no current solution in place district would need to replace existing classroom technology and adopt management procedures.*	Fall 2021 *High School Students* Spring 2022 *Middle School Students* Spring 2022 *Elementary Students* *With no current solution in place district would need to replace existing classroom technology and adopt management procedures.*
District Professional Development	• Summer & Fall 2021 *All K-12 teachers and building staff.*	• Summer & Fall 2021 *All K-12 teachers and building staff.*

Stakeholder Feedback

Secondary Campuses

The district prioritized the need to obtain stakeholder feedback throughout each phase of the device selection process. A variety of stakeholder groups were created to provide input into the selection process including students, staff and parents. This section of the report provides summary of each stakeholder group and the recommendation for student devices.

Device Playground: To obtain feedback from the various groups, the district created device playgrounds, allowing students and staff to interact with the device options and provide feedback about each technology. Device playgrounds were setup at Hill Country and West Ridge Middle Schools and Westlake High School. Recommendations for student devices from this group was continuing the use of iPads for students was the outcome of the Device Playground experience. Summaries of the feedback from the device playgrounds are included on the page 21 of the Appendix.

Middle & High School Staff & Student Survey: Students and staff at both middle and high school levels were asked to complete survey questions indicating their preference for student device. Recommendations for student devices from this group was to continue with iPads for students and staff. Survey responses are included on pages 17-26 of the Appendix.

Stakeholder Feedback continued

Parent Feedback Survey: The district asked parents of students enrolled in grades 6-12 to complete a survey to provide input into device selection including educational needs, personal preferences, and features required for secondary students. The majority of parents recommended iPads for students. A summary of the parent surveys are included on pages 27-28 of the Appendix.

Middle School Focus Group: During the 2019-20 school year, the middle school focus group, comprised of teachers from both middle school campuses, reviewed the academic applications and instructional needs for middle school students including how devices were being utilized as part of student learning. The Middle School Focus Group recommended continuing the use of iPads for students. A summary of the middle school focus group device recommendations are included on pages 29-30 of the Appendix.

Technology Advisory Committee (TAC): Beginning in the spring 2020 semester, the district's technology advisory committee, consisting of members from all K-12 instructional staff, administrators, students and community members, reviewed possible student device solutions, budgetary information and summaries of stakeholder feedback. The Technology Advisory Committee recommended the iPad for student devices. A summary of the committee's device recommendation are included on pages 31-34 of the Appendix.

Elementary Teacher Feedback: During the spring 2020 semester, elementary teachers were given the opportunity to provide feedback about the instructional need and classroom applications for 1:1 devices for students in grades K-2. Teacher comments are included on page 35 of the Appendix.

Device Recommendation

After reviewing the stakeholder feedback, budgetary constraints and timeline for distribution, it is the recommendation of district leadership, including members of Technology Services, Curriculum & Instruction and K-12 instructors and administrators, to purchase the following technologies for K-12 students. Items included as part of the recommendations can be accomplished using existing budget bond dollars.

- Purchasing **Apple Care** on devices to alleviate financial cost for families in case of damage.
- **Adding additional charging stations** at various locations throughout the campus to allow students opportunities to charge devices as needed.
- **Providing opportunities for families to purchase**, as needed, to purchase Apple Pencil, or stylus or allowing building fundraisers to sell the items to students.
- Providing **teachers** with the same device as students.

- **Providing integrated keyboards to students in grades K-5 (as needed).**
- Purchasing **Apple Care** on devices to alleviate financial cost for families in case of damage.
- Providing opportunities for **families to purchase**, as needed, to purchase stylus or Logitech Crayon or allowing building fundraisers to sell the items to students.
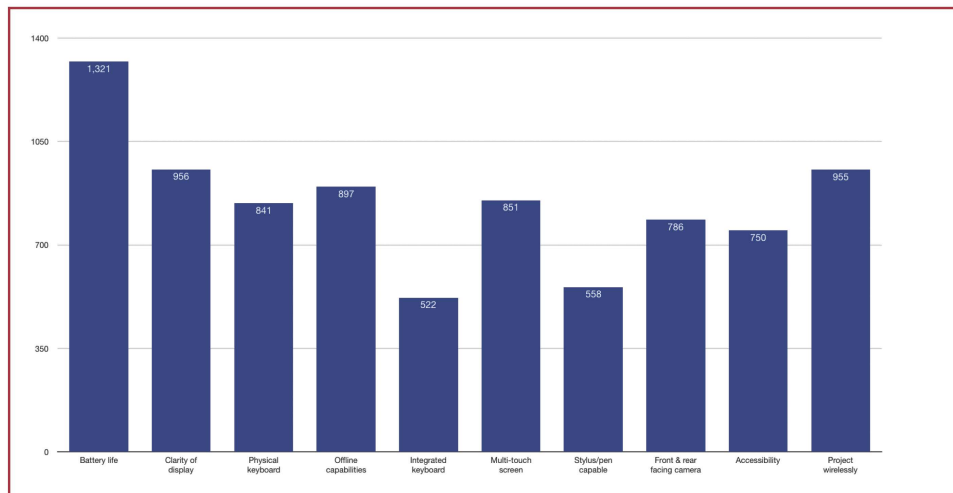- Providing **teachers** with the same device as students.

Appendices

Middle School Student
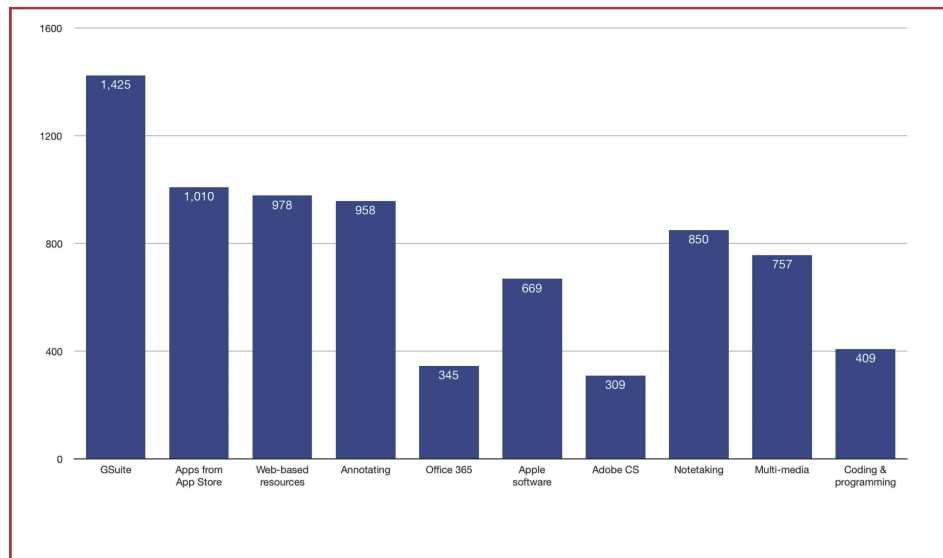## Survey Responses: Student Devices

Students from both Hill Country and West Ridge Middle Schools provided input into device functions and features needed for teaching and learning. This document is a summary of student responses. Chart data represnts the items that received the largest number of responses.

**Q:** Device Features • Rate the importance of each feature of a device needed for your learning.

Battery life: 1,321; Clarity of display: 956; Physical keyboard: 841; Offline capabilities: 897; Integrated keyboard: 522; Multi-touch screen: 851; Stylus/pen capable: 558; Front & rear facing camera: 786; Accessibility: 750; Project wirelessly: 955

Q: Instructional Resources • Rate the importance of each feature of a device needed for your learning.

GSuite: 1,425; Apps from App Store: 1,010; Web-based resources: 978; Annotating: 958; Office 365: 345; Apple software: 669; Adobe CS: 309; Notetaking: 850; Multi-media: 757; Coding & programming: 409
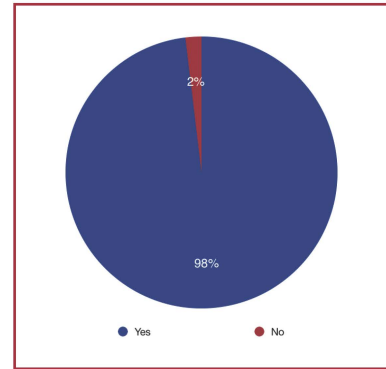
2/17/2020

Q: Student Use • Please indicate how you use the device as part of your day to day learning.
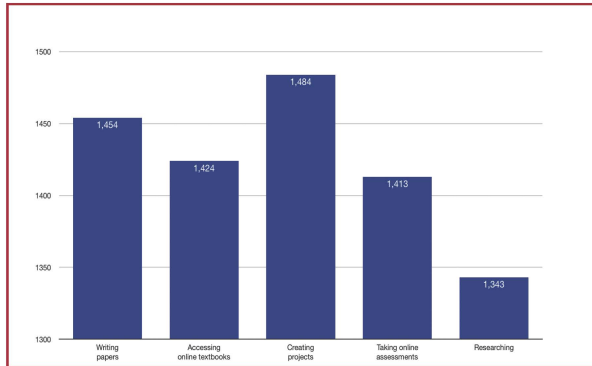
Q: Student Use • Do you regularly use Apps as part of your learning experience.

Quotes

"I LOVE having iPads because they are so convenient and easy to use. I would be upset if we had to switch to computers and would ask if I could just bring my personal iPad because iPads really help my learning. We should just keep iPads PLEASE!"

"To have a keyboard with it and good case to protect it."

"I think we just need to have devices that are easy to write and type on and especially have long lasting battery"

"Me personally would choose a like lab tops or a MacBook so that I can type."

1596 Student Responses

"My preference towards having a laptop or iPad with keyboard would be much more practical than using an iPad with a digital keyboard. Work gets done faster and easier. I would be very delightful to have new software in my hands other than an iPad."

"Maybe the next device could be a laptop so that people don't have to bye their own keyboard"

"Something that is easy and lightweight to carry around all day"

"If the next devices are not iOS devices then there might be a need for apps that are iOS only apps."

"I'd either go with a laptop of some sort or stick with iPads. (I'd prefer a laptop since we could do more with it.)"

"I would suggest taking in the fact that the students are all ready used to the way the iPads work and changing that would mean work would be slower due to the fact that we would have to learn how to use our technologies again. Also, I would take into consideration the fact that iPads aren't very heavy and are easier to move around. Switching to something like chrome-books would make the load that the student is carrying in their backpack already much heavier."

Middle School Student
Survey Responses: Student Devices
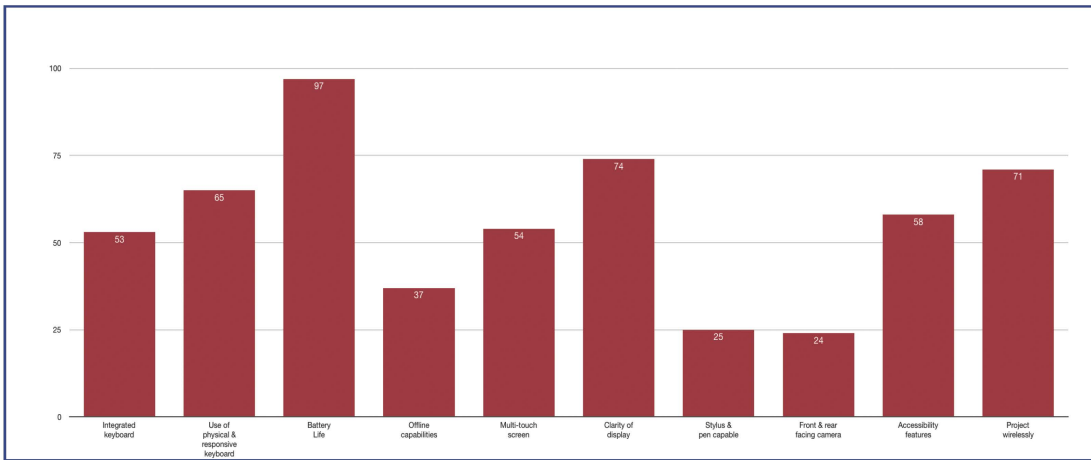
EANES ISD

2/17/2020
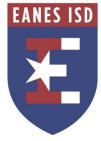
Middle School Teacher
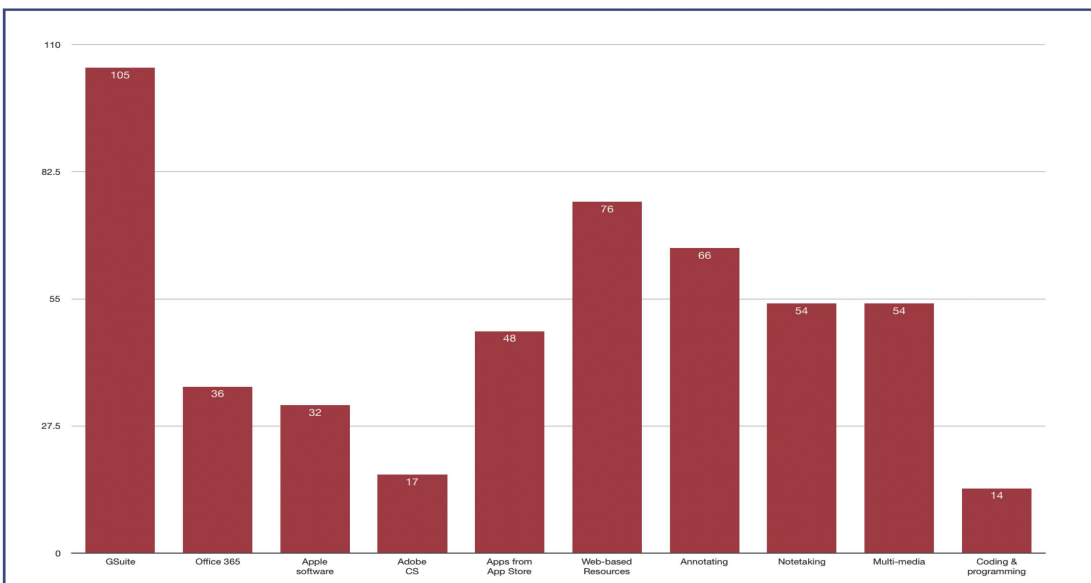## Survey Responses: Student Devices

Teachers from both Hill Country and West Ridge Middle Schools provided input into device functions and features needed for teaching and learning. This document is a summary of teacher responses. Chart data represnts the items that received the largest number of responses.

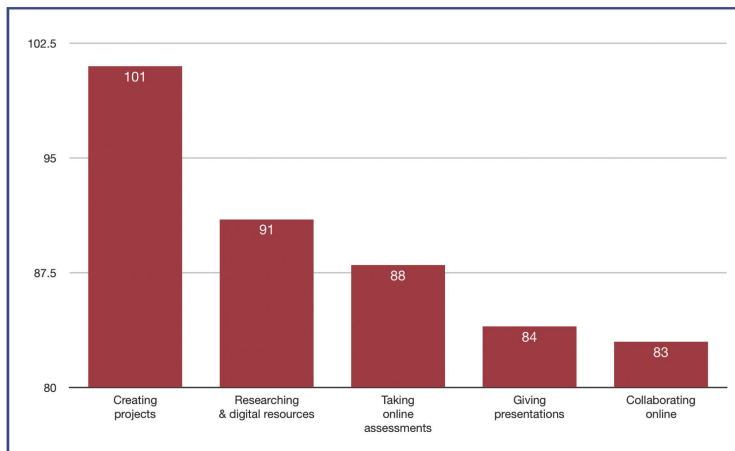**Q:** Device Features • Rate the importance of each feature of a device for your classroom.

Feature	Value
Integrated keyboard	53
Use of physical & responsive keyboard	65
Battery Life	97
Offline capabilities	37
Multi-touch screen	54
Clarity of display	74
Stylus & pen capable	25
Front & rear facing camera	24
Accessibility features	58
Project wirelessly	71

Q: Instructional Resources • Rate the importance of each feature of a device for your classroom.

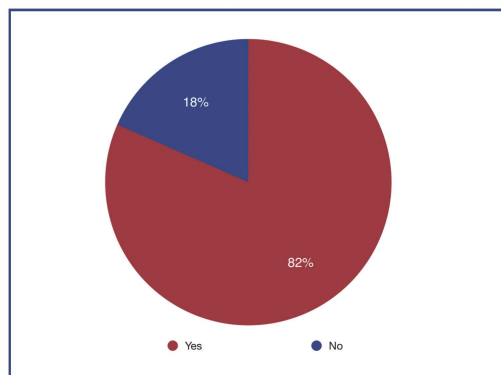| Resource	Value
GSuite	105
Office 365	36
Apple software	32
Adobe CS	17
Apps from App Store	48
Web-based Resources	76
Annotating	66
Notetaking	54
Multi-media	54
Coding & programming	14

2/17/2020

Q: Student Use • Please indicate which tasks your students are completing on devices for academic purposes.

Task	Count
Creating projects	101
Researching & digital resources	91
Taking online assessments	88
Giving presentations	84
Collaborating online	83

114 Teachers

Q: Student Use • Do your students regularly use Apps as part of their learning experience?

- Yes 82%
- No 18%

"So many features of iPad, MacBook, and Apple TV have become a natural part of daily lessons as far as work flow, managing devices, sharing student thinking, and sharing resources between teacher and students. I would welcome the opportunity to maintain our Apple ecosystem with newer, pen-capable student devices. We've come so far with the infusion of these devices into our instruction, professional development, class culture, and infrastructure, both with hardware and with apps. Changing to a device that is similar in price, but sacrifices all that we have invested would make literally NO SENSE AT ALL."

Quotes

"We've spent so much time learning iPads and how they operate - I feel like several teachers just got the hang of this and if we switched now it would be very frustrating."

"If we are going to make a change away from iPads and to something like Chromebooks I would just ask that there be extensive training for teachers. I am very comfortable with technology and have no problem helping to teach others but I know many teachers struggle with technology and their response then is to not use it. If we are going to roll something out we really need to be proactive instead of reactive."

"1:1 technology ratio for each student is vital to education."

Middle School Teacher
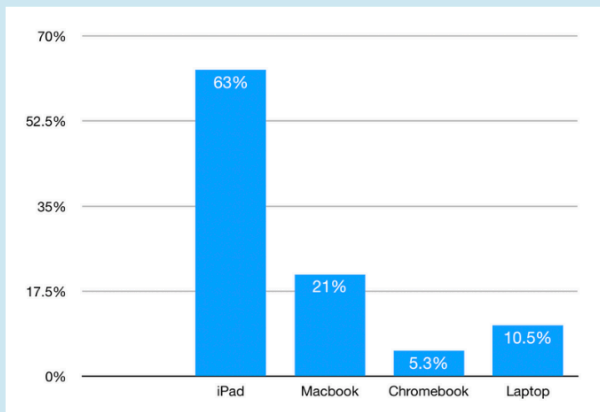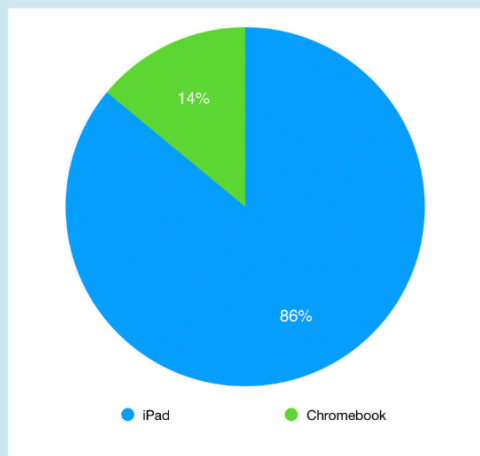## Survey Responses: Student Devices

EANES ISD

2/17/2020

Device Playground

Students and staff on each middle and high school campuses were given the opportunity to interact with the devices. Feedback from the stakeholders is summarized below.

## High School

Middle School

Eanes ISD

Westlake High School
Teacher Responses

Westlake High School Teachers provided input into device functions and features needed for teaching and learning. This document is a summary of teacher responses. Chart data represents the items that received the largest number of responses.
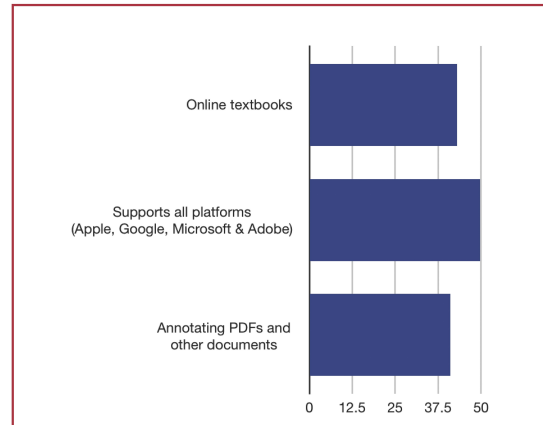
Q1: What do you think should be the top three student uses for a mobile device in your class?
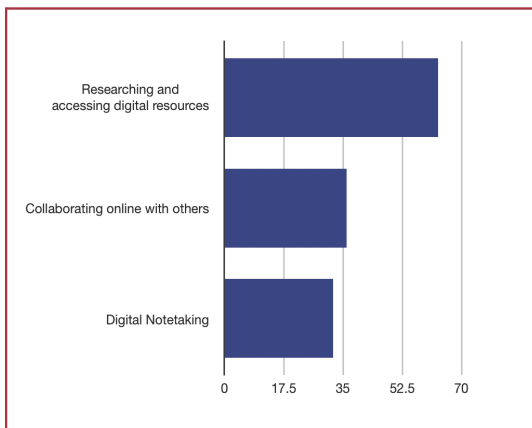
Q2: What are the three most important hardware features of a student mobile device?
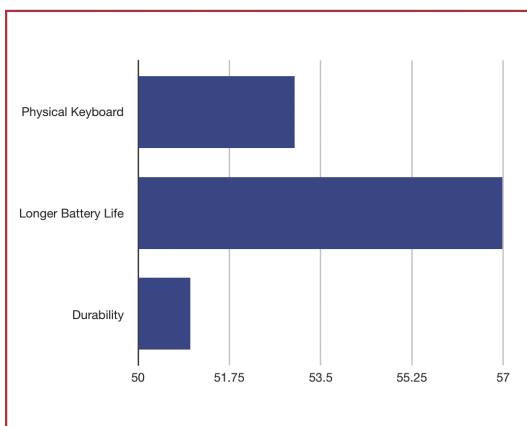
Q3: What are other important features and tools of student devices?

85 Teachers
14 Curriculum Areas

Other Device Features

• Ease of portability (33)
• Touch screen (31)
• Wirelessly project (31)
• Access to high quality apps (28)
• Larger screen size (17)
• Accessibility features (17)
• Communication tools (11)
• Front and rear facing camera (7)
• Lighter weight (6)
• Reading eBooks (5)

Q4: What do your students need to be able to do with the device? *Table includes the top 15 teacher responses.

Create projects and presentations (24)	Annotate documents (10)
Take Notes (21)	Collaborate (9)
Coursework (15)	Write Papers (8)
Take photos and edit/watch videos (15)	Take assessments (7)
Type (14)	eReader (7)
Research (13)	Apps (6)
Google Classroom (12)	Touchscreen (4)
Online Textbooks (10)	

Other Student Tasks

Submit homework electronically (3)	Code (1)
Accessibility features (3)	Laptop (1)
Write/pen/stylus (3)	Battery (1)
Keyboard (3)	YouTube (1)
Wirelessly project (3)	Email (1)
Internet (3)	School/Teacher Website (1)
Calculator (2)	Teleconference (1)
Wifi (2)	Charged iPad (1)

Teacher Quotes

"If going the iPad route, I believe that the Apple Pencil will be a huge boon for the students. If you go laptop it will be hard to lockdown students into an app and if we lock the laptop down you lose a lot of the benefits of paying for a laptop in the first place. Personally i think a chromebook limits what students are able to do on a computer, while it makes google suite tools easy and effective it will not allow students to create or explore available tools. The potential in a laptop or an iPad is that they have large groups of developers who are specifically working on those platforms whereas development for chromeOS is limited."

"One other thing that is critically important is the ability to access the google suite of apps (or whatever the next app needed to allow online access of class materials and ability to digitally submit assignments)."

"Having one-to-one technology is important to me and my classroom, however I do think that apple lap tops would be better than the iPads at this point. The lock down on youtube for students has hampered my teaching this semester. Also, MANY (many) students already have their own devices. Is there not a way to have them use their own devices instead of issuing them a 2nd device? This seems like a waste of money. At least half of my students come with their own lap tops to class. Isn't this a good thing?"

"Keep ipads. We've got a system figured out where we use them daily. Kids bring their own laptops - we don't need to buy laptops, but we do need the ability to keep using apps that we've built lessons around."

"Once students had iPads, their creative output and learning in my class advanced phenomenally. We need to have tools that are designed for creativity and accessibility as well as online access and digital productivity so that our students have the chance to flex their innovative muscles and do the amazing work that they are capable of."

"Please take IEP's into consideration when planning things. Students need access to a variety of apps for communication purposes and accommodations."

"If students get tablets, a sturdy keyboard is essential. If students get laptops, there needs to be thought about charging, outlets in rooms, etc. Chromebooks aren't a first choice because they are geared towards use online, and students are often in situations with no wireless (on school busses, at track meets, at band contests), and they need to be able to continue working. Continuity of tools students use currently is more efficient - not having to adapt or learn many new tools. Commonly used tools like slide preparation, Canva, movie editing tools, note-taking tools, etc. need to work smoothly. Cost also matters - we cannot assume even in this district that every family can afford to replace a more expensive device if it gets damaged. Weight is also important - student backpacks are still very heavy despite online textbooks. Student voice in the process is important as well - they may have needs we are not tapping into."

Middle School Focus Group:

Westlake High School Student Responses

Westlake High School Students provided input into device functions and features needed for teaching and learning. This document is a summary of student responses. Chart data represents the items that received the largest number of responses.

Q1: What are the top three uses for a mobile device in your classes?
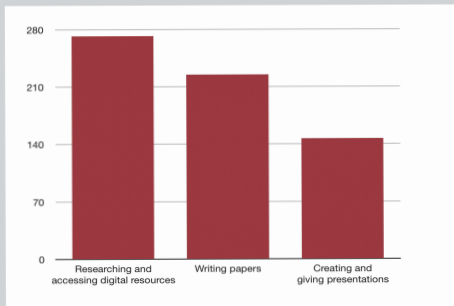
Q2: What are the three most important hardware features of a student mobile device?
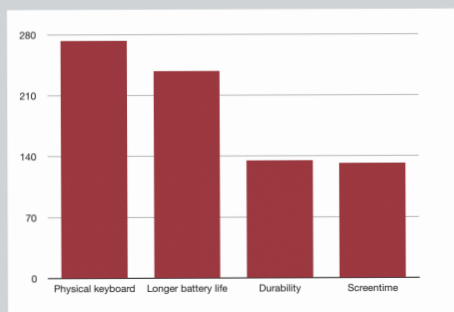
Q3: Other important features and tools of student devices.
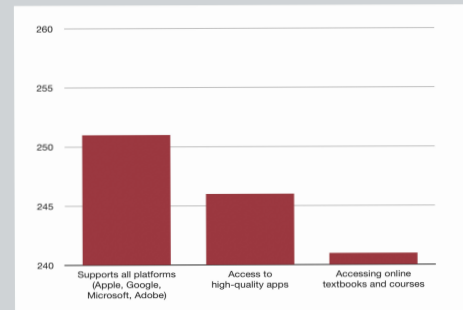
Other Device Features

- Annotating PDFs and other documents (215)
- Larger screen size (122)
- Ease of portability (120)
- Communication tools (102)
- Lighter weight (91)
- Accessibility features (54)
- Front and rear facing camera (34)
- Reading eBooks (17)

Q4: Which digital resources (app, software, or web based) are really important for you to use in your classes?
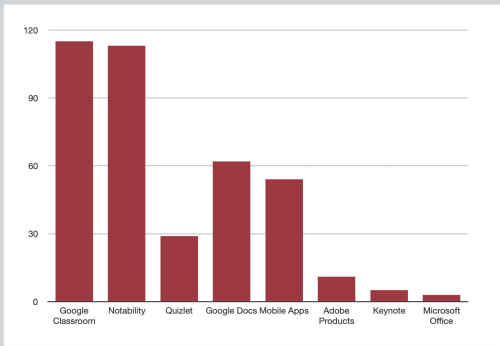
380 Students Grades 9-12

Q5: What do you need to be able to do with the device?
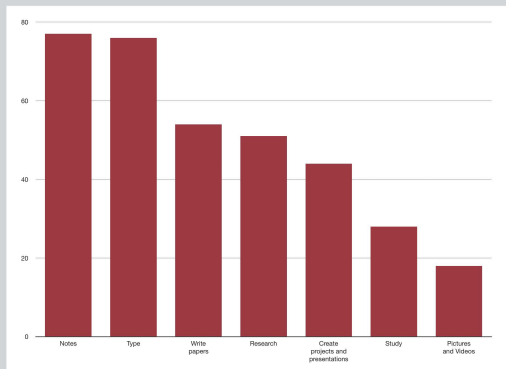
Student Quotes

"A computer isn't a bad idea especially for upper grades. Having a touch screen computer with stylus would satisfy most people."

"Please don't buy Chromebooks. The OS is not intuitive or useful and there's a lot of software that simply doesn't work on it. EISD has used iPads for so long that most of our online education stuff has already been integrated with iOS in mind."

"During my junior year, I began using a laptop at school rather than the school-issued iPad. I noticed that a significant population of my class made the same transition. Personally, I prefer the MacBook to the iPad because of the physical keyboard, and the ease in using all of the apps. However, in classes that I took in my freshman and sophomore year (specifically AP Art History and Chemistry) I had to use the iPad because of the Notability feature since it made it much easier to take digital notes. During junior year, it now seems that half of the class uses their own device, and the other half uses the school-issued iPad."

"Having the battery last through the whole school day and then the multiple hours it takes to do homework would be great. Physical and high quality keyboards are very important to me."

"I strongly prefer laptops to the iPads, I haven't used my iPad this year at all. The laptops just have more capability which is really important, and a bigger keyboard and screen."

"I believe our next dives should be MacBooks. They are very durable for example I dropped mine from the second story of my house and it only got a little damaged on the bottom. It has a very long battery life I charge it once a week and I bring it to school and use it. It has a keyboard that can use multiple languages at once. It can also support multiple operating systems you can put windows on a Mac from its boot camp setting in systems preferences. So you can use both Mac and windows apps. My final point is people keep there MacBooks for like 8 years and that's 2 as long as these iPads lasted."

"Laptops might be more practical for high school than iPads. Or maybe something like a tablet that has a pencil."

"Laptops would be very beneficial since they would prepare students for how college students take notes and study. They also have wider screens, and are more durable than iPads, especially given the fragile Clamcase cases the school uses for iPads."

"Please do NOT give us laptops they take up a lot of space in backpacks! also please keep an apple product bc that's what most students like/are used to! thank you!!!"

"It would be great if we could use applications that are also desktop versions of the apps. Currently, we have to use some of the school desktop computers but, I think it would be great if we had own own laptop (MacBook Air? PC? Other?). I do know that cost is a definite view and should be paid attention to. Thank you and have a great break! :)"

WESTLAKE HIGH SCHOOL

Device Selection

Students: 1048
Staff: 111

7%

93%

● Student   ● Staff

Please select your first and second choices for student devices.

Device	First Choice	Second Choice
Apple iPad	278	548
Apple Macbook	1,041	453
Dell Chromebook	80	329
Dell Laptop	213	316

0   275   550   825   1,100

■ First Choice   ■ Second Choice
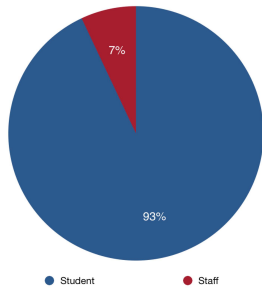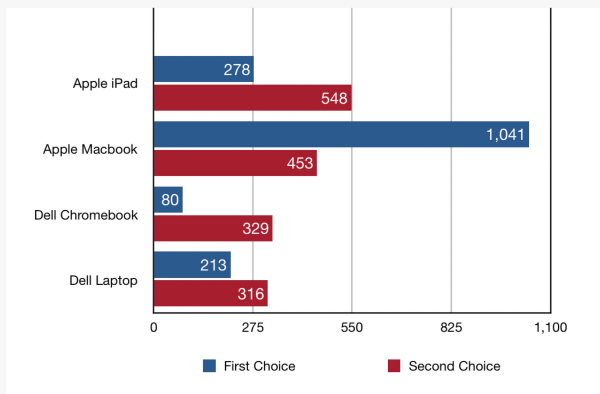
EANES ISD
601 Camp Craft Rd
Austin TX 78746

Westlake High School students were asked to choose their first and second choices.

Students identify MacBook and iPad as their top two choices.

Parent Responses (6-12)

Student Device Selection • Stakeholder Group
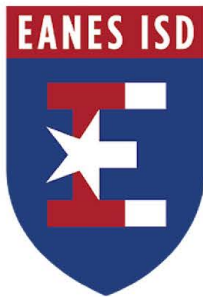
EANES ISD

Secondary Parent Responses

Eanes ISD is in the process of identifying a student device for the 1:1 implementation. In an attempt to collect stakeholder feedback, parents of secondary students (grades 6-12) were asked to complete a survey around device selection, educational and personal student needs and provide input into characteristics needed for Westlake High School students. This document provides a summary of the 695 parent responses. The breakdown of responses by building and question are included below.

211	152	695
HILL COUNTRY MIDDLE SCHOOL	WEST RIDGE MIDDLE SCHOOL	WESTLAKE HIGH SCHOOL

Q3: In your opinion, and understanding of the investment made by the district to support the 1:1 initiative, do you believe Eanes ISD should continue providing students with iPads for instructional purposes?

Yes 77.55%

No 22.45%

0%   20%   40%   60%   80%
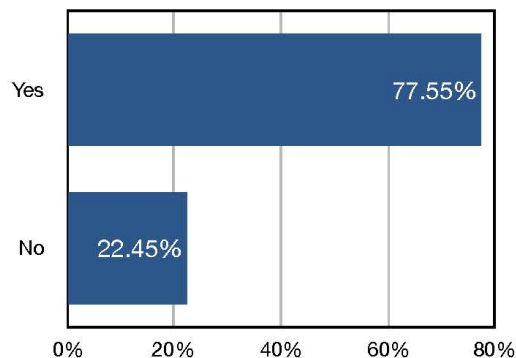
Q4: In your opinion, do district-provided technologies and digital resources (devices, digital textbooks, apps, software, classroom technologies) meet the educational needs of your student?

Yes	73.09%
No	26.91%
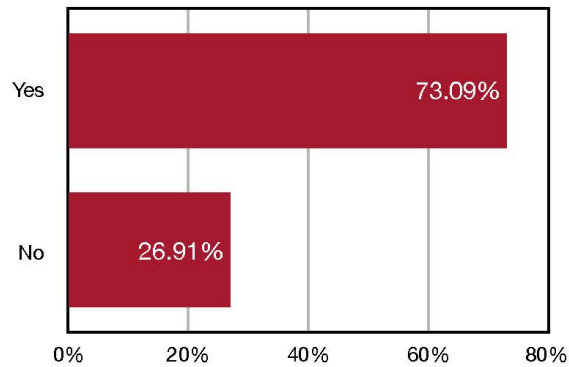
Q5: Other than district provided devices, throughout the school day, does your student need access to the following items to support his/her learning or personal use (check all that apply)?

Headphones	45.04%
Smartwatch	6.61%
Mobile phone	32.25%
Personal device	25.47%
Assistive technology	3.8
None	32.23%
Other	8.49%
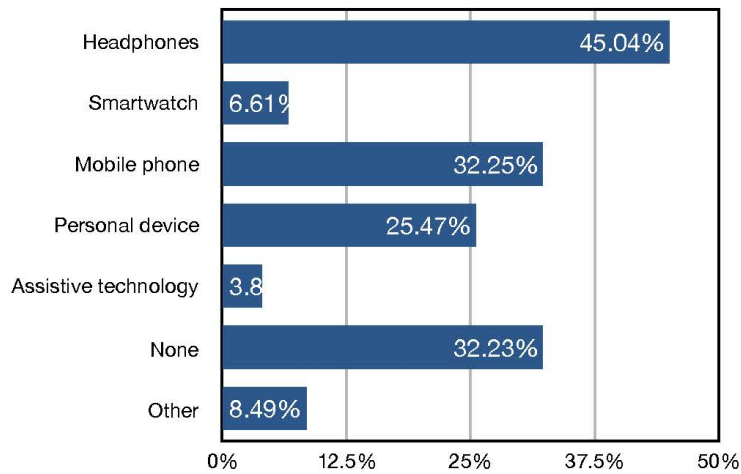
2019-20 Focus Group Members:

Name	Campus	Content	Grade Level
Fred Benitez	WRMS	Educational Partner	6th-8th
Teresa Bowerman	WRMS	ELA	8th
Anne Buchta	HCMS	Assistive Technology	K-12
Lauren Cutler	WRMS	ELA	7th
Katie Dawkins	HCMS	Science	7th
Tyson Dobinsky	WRMS	Elective	6th-8th
Andrew Graeber	WRMS	Social Studies	8th
Georgia Jones	HCMS	Math	6th-8th
Deborah Kerbow	WRMS	Math	6th-7th
Madiha Marium	WRMS	Elective	6th-8th
Chris Miller	District	Technology Services	K-12
Gina Morreale	WRMS	History	8th
Sara Ofczarzak	SPED	Educational Partner	6th-8th
Carol Reese	WRMS	GT	6th-8th
Kristy Sailors	District	Instructional Technology	K-12
Amy Sharp	WRMS/HCMS	Educational Partner	6th-8th
Kit Sloan	HCMS	Educational Partner	6th-8th
Lindsey Taylor	WRMS/HCMS	Educational Partner	6th-8th
Jessica Weisinger	HCMS	Social Studies	6th
Cathy Yenca	WRMS	Math	8th

Middle School Focus Group:

Device Recommendation

Q: After participating in the MS Focus Group, and reviewing all of the data provided, please indicate your personal recommendation for the device selected for middle school students.

100%

● iPad   ● Chromebook
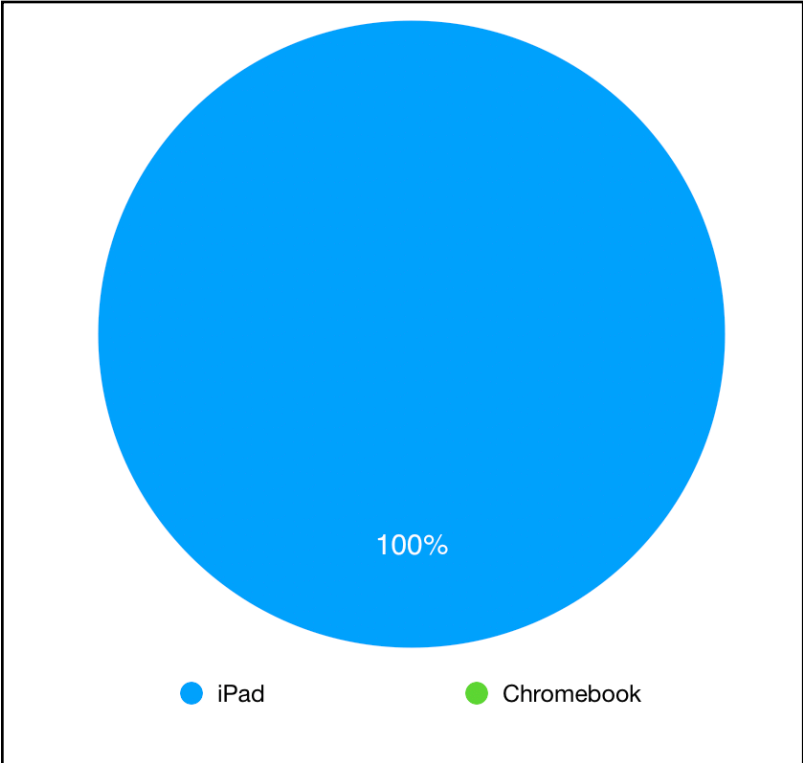
The Middle School Focus Group unanimously recommended iPads for students in grades 6-8.

Technology Advisory Committee

Belief Statement:
Eanes ISD believes technology is the intentional, purposeful integration of developmentally appropriate digital tools, materials, and knowledge used to enhance student engagement and learning for everyone in our learning community. We believe technology enhances opportunities for differentiation, creation, collaboration, critical-thinking, and digital citizenship.

Overview:
In the 2019-20 school year, the Eanes Independent School District determined that an advisory committee, comprised of community members, teachers and administrators, should be convened to provide guidance and support for the district's technology initiatives and project development including providing input into the development of both a short-term and long-range technology plans.

Committee Charge:
Advisory committee members will serve as representatives, for each of their respective areas, to provide input and guidance to district leaders. As part of their commitment to the district's work, the Technology Advisory Committee members (TAC) will be tasked with the following charges:

• Identify and articulate best practices for integrating technology into classroom instruction.
• Identify measures for communicating technology-related topics to parents and community members.
• Review and identify best practices for protecting and maintaining student data privacy.
• Review and articulate desired outcomes for technologies procured for K-12 student use.
• Provide input and articulate technology-focused themes for the district's short-term and long-range technology plans.

Committee Structure and Responsibilities:
Membership will be comprised of the following categories:
- Community Members (2HS/2MS/6ES)
- K-12 General Education Teachers
- K-12 Specialists Teachers (Music, Art, PE, Interventions)
- K-12 Special Education Teachers
- High School Administrator
- Middle School Administrator
- Elementary School Administrator
- Educational Partners (1HS/1MS/1ES)
- District Administrators

Members of the TAC will serve to provide guidance and feedback for the development of best practices for technology integration, processes for protecting student privacy, K-12 technology selection, and development of the district's short-term and long-range technology plans.

For the 2019-20 school year, Technology Advisory Committee members were selected by school and district administrators. Ensuring that group membership have a diverse perspectives on technology integration, data privacy and instructional expectations for K-12 technology selection.

Deliverables:
Technology Advisory Committee will assist campus and district administrators with identifying and developing of the following items:

- Examples of best instructional practices utilizing classroom technologies.
- Components and/or processes for protecting student data privacy.
- List of desired outcomes for K-12 student technology devices.
- Short-term technology plan.
- Long-range technology plan.

2019-20 Advisory Committee Members:

Name	Area Represented	Name	Area Represented
Abigal Frederick	Community Member	Jay Kamm	Community Member
Addison Cummings	High School Student	Kate Richter	Elementary Librarian
Amy Sharp	Middle School Educational Partner	Katie Dawkins	Middle School Science Teacher
Andrew Zucca	High School Student	Katie Poole	Elementary Teacher
Anne Buchta	Special Education Assistive Technology	Kelly Marwill	Community Member
Ashley Settle	High School Student	Kristy Sailors	Director Instructional Technology
Bill Weise	Community Member	Laura Wright	Elementary Art Teacher
Brooke Shannon	Community Member	Lee Mills	Elementary Teacher
Bryan Shippey	High School Assistant Principal	Linda Rawlings	Interim Associate Superintendent
Charles Riley	Community Member	Lisa Johnson	High School Educational Partner
Chris Miller	Director Technology Services	Madiha Marium	Middle School Computer Teacher
Dianne Carter	Middle School Principal	Marianna Ricketson	Elementary Educational Partner
Eleanor Churchill	High School Student	Nancy Abell	Elementary GT Teacher
Eric Wright	Executive Director Technology Services	Ryan Martasin	Middle School SPED Teacher
Holly Sanders	Middle School ELA Teacher	Safina Mahood	Community Member
Jacquelyn Johnson	Community Member	Susan Fambrough	Elementary Principal
		Shaku Selvakumar	Community Member

Technology Advisory Committee Recommendations

Throughout the spring 2020 semester, Technology Advisory Committee (TAC) members reviewed data pertaining to the 1:1 initiative, feedback from various stakeholder groups and budgetary options for the student device refresh project. On April 2, 2020, the TAC members made their individual recommendations for device selection for students enrolled in the middle and high school campuses. The committee's official recommendation for student devices is to continue providing students with iPads to use as part of their learning experience. The graphs below reflect the whole group recommendation for each building level.

After participating in the Technology Advisory Committee, and reviewing all of the data provided, please indicate your personal recommendation for the device selected for student devices for High School students (choose one).

After participating in the Technology Advisory Committee, and reviewing all of the data provided, please indicate your personal recommendation for the device selected for student devices for the Middle School Students (choose one).

Elementary Teacher Feedback

Initial Prompt:

Please share your preferences about having 1:1 devices for students enrolled in grades K-2.

"Student iPads are invaluable to dynamic learning that keeps students engaged, challenged and allows them to apply real world skills on a day to day basis"
Tracey Vogel, BCE 2nd Grade

"Having device for each student allows teachers to differentiate for student needs. The iPad allows kindergartners to be more creative using technology instead of passively learning or consuming content. When each student has a device, they can take the opportunity to capture in the moment of thinking, or learning opportunity rather than having to wait for their neighbors to be finished with their learning moment." Erin Finch, VVE Kindergarten

""Kindergarten 1:1 is a complete game-changer for teachers and students. With this invaluable resource, I am able to totally differentiate for EACH child in my class and do this in real-time. I feel like I can multiply myself for my students through videos and teacher-made lessons targeting their learning needs. For example, I daily assign one child who is significantly behind more letter-sound practice activities and I can even check his progress on the app later that night. This helps me know, as a formative assessment, which letter sounds he still needs to work on without me being taken away from the other 21 students to quiz him. I assign another child who is reading on a 2nd-grade level a video of me talking about comprehension skills and a related activity. I also increase his lesson progression at a more rapid pace to match his abilities and needs instead of him waiting for others to catch up to him. These are just 2 examples out of hundreds of how having 1:1 in the younger grades has fundamentally multiplied the teachers in the classroom."" Sarah Chen, FTE Kindergarten

"The past 3 weeks of remote preparation and learning have driven home the benefit of our 1:1 iPads as a learning tool. While this is extreme use there is a happy medium and hopefully the benefits of this learning tool are realized during this time of remote teaching and learning. iPads are designed to be 1:1 devices, with apps customized to each student's learning. Shared iPads would not be as effective as a tool, with difficulties sharing progress in apps."
Leslie Abbott, BCE Kindergarten

• Eanes ISD •

Budget & Cost Analysis:

In preparation for the student device refresh project, district leaders developed budgeting scenarios including projected costs for devices, accessories and infrastructure requirements to support and manage the devices. The information below reflects the budgetary projections and data shared with various stakeholder groups throughout project planning.

Project Bond Dollars - Device Not Yet Identified				
Level	**Item**	**Projected Cost *Device Not Defined**	**Enrollment**	**Projected Total**
High School	Device	$799.99	2838	$2,270,371.62
	Case	$55.00	2838	$156,090.00
	Keyboard	**$150.00**	2838	$425,700.00
	Total	**$1,004.99**	**Total**	**$2,852,161.62**
Middle School	Device	$429.00	2027	$869,583.00
	Case	$92.00	2027	$186,484.00
	Total	**$521.00**	**Total**	**$1,056,067.00**
Elementary	Device	$299.00	3315	$991,185.00
	Case	$92.00	3315	$304,980.00
	Total	**$391.00**	**Total**	**$1,296,165.00**
3% Overage for operational needs.				**$156,131.80**
Projected Total for K-12 Student Devices				**$5,360,525.42**

Estimated Costs (K-12):

Taking into consideration the feedback from the various stakeholders groups and district administration, the following table reflects the estimated costs for providing K-12 students with iPads for the 2020-21 school year. ***No quotes have been obtained to determine exact pricing for the devices, accessories and supports.***

Estimated Bond Dollars - Device Defined				
Level	Item	Cost per Device* (estimated)	Enrollment	Total
High School	iPad (7th Gen)	$299.00	2838	$848,562.00
	LogiTech keyboard case	$100.00	2838	$283,800.00
	Apple Care & Mgmt.	$131.00	2838	$371,778.00
	Total	$530.00	Total	$1,504,140.00
Middle School	iPad (7th Gen)	$299.00	2027	$606,073.00
	LogiTech keyboard case	$100.00	2027	$202,700.00
	Apple Care & Mgmt.	$131.00	2027	$265,537.00
	Total	$530.00	Total	$1,074,310.00
Elementary	iPad (7th Gen)	$299.00	3315	$991,185.00
	LogiTech keyboard case	$100.00	3315	$331,500.00
	Apple Care & Mgmt.	$131.00	3315	$434,265.00
	Total	$530.00	Total	$1,756,950.00
3% Overage for operational needs.			Total	$130,062.00
Projected Total for K-12 Student Devices			Total	$4,465,462.00

Budget Comparison:

Project Bond Dollars - Device Not Yet Identified

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3% Overage for operational needs.			Total	$130,062.00
Projected Total for K-12 Student Devices			Total	$4,465,462.00

Comparison:

Projected	Actual *Estimated
$5,360,525.42	$4,465,462.00
Anticipated Cost Savings: $895,063.42	

Timeline for Implementation:

Student Device Refresh	
Spring 2020	Potentially Obtain Board Approval - 4/28/2020
Spring 2020	Obtain request for quotes and complete order processes
Summer 2020	Devices arrive in district
Summer 2020	Devices are setup in MDM and assigned to students
Summer 2020	Device charging stations installed at Westlake High School
Fall 2020	Laptop carts available at Westlake High School
Fall 2020	Westlake High School student and staff device refresh
Fall 2020	Device charging stations installed at Hill Country & West Ridge Middle schools
Spring 2021	Hill Country & West Ridge Middle School student and staff device refresh
Spring 2021	Elementary student and staff device refresh
Summer 2021	Outdated device inventory prepared for sale
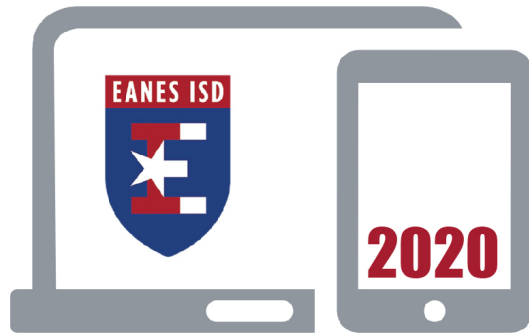
Student Device Selection

Eanes ISD

601 Camp Craft Road

Austin TX 78746