



Kenton County School District | It's about ALL kids.

Issue Paper

DATE:

January 19, 2022

AGENDA ITEM (ACTION ITEM):

Consider/Approve Current 1:1 program to utilize annual leases outlined in the attached model as well as to fund the model at current year prices above the school contribution.

APPLICABLE BOARD POLICY:

01.11 General Powers and Duties of the Board

HISTORY/BACKGROUND:

Our board approved the 1:1 Technology Implementation plan in June of 2020. This plan allows for a systemic approach to providing technology and professional learning for students and staff which is evolving to an increase in the level of instruction in all district classrooms. Our team has been reviewing the cost analysis of our current model along with recent inflationary impacts and propose that we shift to a lease model. The lease model is based on current cost and will be reviewed and revised based on prices at that time. Our board has approved \$1,000,000.00 each year through fiscal year 2023-24 through ARP ESSER funds for 1:1 devices. Beginning in fiscal year 2024-25, we would resume the previously approved amendment of the district SBDM allocation formula to reduce section 7 funds to schools by \$32 per child. The corresponding presentation outlines information on the proposed adjustments to our model.

FISCAL/BUDGETARY IMPACT:

See attached model

RECOMMENDATION:


Approval of Current 1:1 program to utilize annual leases outlined in the attached model as well as to fund the model at current year prices above the school contribution

CONTACT PERSON:

Henry Webb

Principal/Administrator

District Administrator



Superintendent

Use this form to submit your request to the Superintendent for items to be added to the Board Meeting Agenda. Principal –complete, print, sign and send to your Director. Director –if approved, sign and put in the Superintendent’s mailbox.



KCSD Technology Integration/1:1 Planning

KCSD Vision for Technology Integration

Excellence is the goal of the Kenton County School District (KCSD). Technology will help transform teaching and learning to ensure that students learn at higher levels while mastering content standards. Our digital conversion will continue to foster new, creative, and innovative ways of learning and will be observable through the 7 concepts of the *Kentucky Academic Standards for Technology*:

- Empowered Learner
- Digital Citizen
- Knowledge Constructor
- Innovative Designer
- Computational Thinker
- Creative Communicator
- Global Collaborator

KCSD strongly believes that technology is a “tool” to enhance instruction and learning, allowing students to have the world at their fingertips. When used appropriately, technology will take our classrooms to new levels of learning for ALL KIDS, ensuring they are fully prepared for the 21st Century and College/Career ready.

KCSD Technology Integration Updates

- ◇ Grades 1, 6, and 9 underwent summer training to utilize the SAMR model in their classrooms.
 - ◆ Systemic/ongoing support is in place through three additional trainings throughout the year annually.
- ◇ Instructional Technology Coaches meet monthly in a train the trainer model to bring the training and build culture in their schools.
- ◇ Student Technology Leadership Program/Asset coordinators are routinely meeting to learn new tools and methods to bring back to their schools including utilizing Follet as the new inventory tool.
- ◇ District wide bandwidth recently increased to 10gb
- ◇ WIFI replacement targeted for the summer of 2022

Change in pricing/inflation impact

The cost of devices has increased compared to the original Chromebook order that was placed two years ago. The table shows the differences in cost per device as well as the change in terms. Inflation will add to the original cost and needs to always be accounted for.

	Chromebooks		
	Board Proposal	Actual Order	Repeat Order
Quantity	3176	3828	3828
Model	HP G8	HP G8	Dell 3100
Unit Cost		185	245
License Cost		24	28
Warranty Cost		0	63.7
Warranty Term	3	1	4
Per Unit Cost	\$293.00	\$209.00	\$336.70
Total Cost	\$930,568.00	\$800,052.00	\$1,288,887.60
District Funding	\$466,342.00	\$331,628.00	
Emergency Funding	\$0.00	\$468,424.00	
School Funding	\$450,176.00	\$0.00	
Student Funding	\$88,950.00	0	
	\$1,005,468.00	\$800,052.00	



Reasons for Exploring New Models

Due to the rising costs of devices we began exploring new methods of acquiring devices as well as implementation models.

With consideration of how to achieve the goal of having a district device in ALL students and ALL teachers hands we developed a staggered model that will expedite the 1:1 implementation.

Recommendation to Change Models: Benefits

- ◇ Overall this proposed model allows us to expedite, enhance, and further grow our culture of using technology to enhance instruction.
 - ◆ Additionally this outlines a model to routinely update student and staff devices.
- ◇ All students and staff will have a device in the 23-24 school year through the proposed model. Under the current model all students and staff will have a device beginning in the 25-26 school year.
- ◇ Provides equity across the board for all stakeholders in working toward World Class education.
- ◇ District funds used to purchase devices for students and staff through this program serve as the instructional resources similar to textbooks.
- ◇ Having all staff trained in the building will foster greater collaboration which ultimately impacts instruction and student achievement.
- ◇ Advancing this model reduces some current barriers allowing for equal access and more efficient use of our digital tools such as our learning management system.

Recommendation to Change Models: Benefits

- ◇ Consistent device per discipline across grade/school levels.
 - ◇ Warranty service and repairs are streamlined.
 - ◇ School Technology Coordinators/Instructional Technology Coordinators specialization with uniform tools.
 - ◇ Instructional Technology Coordinators will have one common device to help all teachers and students learn strategies for learning and engagement.
- ◇ Natural breaks in the refresh-cycle for evaluation of the impact on classroom instruction as well as technology upgrades.
- ◇ Device is always under warranty.



Recommendation to Change Model

Given the benefits, we are proposing ([click here](#)) that the district move from purchasing devices to leasing at grade levels in a staggered model.

Measuring 1:1

KCSD will continually measure the impact of our 1:1 Program

- ◇ Surveys for all stakeholders 2 times a year.
- ◇ Instructional walks
 - ◆ Data, trends, and growth toward SAMR
- ◇ Student products and growth towards SAMR
- ◇ Student Achievement Data
- ◇ Annual update to the board



Workforce Ready

KCSD is committed to helping our students grow and technology is certainly an avenue for students to build skills and learn.

KCSD will be working with students to become Dell certified technicians. This certification will allow students to diagnose and repair Dell Chromebooks in the district.

We will also employ summer student technicians to help prepare our Chromebooks for the students saving the district up to \$116,000 while helping our students learn valuable skills.

Fiscal Responsibility

- ◇ Due to the distribution of the ARP/ESSR funds we are able to delay the school contribution an additional year.
- ◇ Prior to the 25-26 school year we encourage schools to spend money to update classroom technology beyond teacher/student devices.
- ◇ Schools will not be responsible beyond the \$32 per student cost.
- ◇ The cost per device each year may impact the overall cost from the board.

School Level Section 7 Contribution

School contribution from Section 7 money has been calculated in grades 1-12 based off of the 21-22 projections. High school counts have been adjusted to reflect students in Ignite, JROTC, and YSA. The estimated contribution from each school is in the table.

School	FY2022
Beechgrove	\$20,672
Caywood	\$16,288
Ft. Wright	\$14,560
Hinsdale	\$16,928
Kenton	\$18,720
Piner	\$9,024
River Ridge	\$27,712
Ryland Heights	\$13,888
SVA (P-5)	\$20,288
Taylor Mill	\$14,784
Whites Tower	\$19,680
School	FY2022
SVA (6-8)	\$23,296
Turkey Foot	\$33,664
Twenhofel	\$26,720
Woodland	\$20,096
School	FY2022
Dixie Heights	\$45,184
Scott	\$32,896
Simon Kenton	\$53,632
Total District	\$428,032

Cost per Year for Student and Teacher Devices

Year	Estimated Student Price	Estimated Teacher Price	Student Workers	Total Price	School Contribution	Board Contribution
2022-2023	\$1,354,207 4022 Students (1,2,9,10)	\$315,865 275 Teachers (2,7,8,10)	\$22,000	\$1,692,072	\$0 ESSR III Funds Used	\$0 ESSR III Funds Used
2023-2024	\$451,561 5100 Students (1,2,3,4,5)	\$395,118 344 Teachers (3,4,5,11,12)	\$22,000	\$868,680	\$0 ESSR III Funds Used	\$0 ESSR III Funds Used
2024-2025	\$451,561	\$0	\$22,000	\$473,561	\$0 ESSR III Funds Used	\$34,314
2025-2026	\$746,139 3327 Students (6,7,8)	\$0	\$22,000	\$768,139	\$428,032	\$340,107
2026-2027	\$1,097,117 3964 Students (9,10,11,12)	\$237,760 207 Teachers (1,6,9)	\$22,000	\$1,356,877	\$428,032	\$928,845
2027-2028	\$1,097,117 5100 Students (1,2,3,4,5)	\$315,865 275 Teachers (2,7,8,10)	\$22,000	\$1,434,982	\$428,032	\$1,006,950
2028-2029	\$1,097,117	\$395,118 344 Teachers (3,4,5,11,12)	\$22,000	\$1,514,236	\$428,032	\$1,086,204
2029-2030	\$1,097,117 3327 Students (6,7,8)	\$0	\$22,000	\$1,119,117	\$428,032	\$691,085
2030-2031	\$1,097,117 3964 Students (9,10,11,12)	\$0	\$22,000	\$1,119,117	\$428,032	\$691,085
2031-2032	\$1,097,117 5100 Students (1,2,3,4,5)	\$237,760 207 Teachers (1,6,9)	\$22,000	\$1,356,877	\$428,032	\$928,845