



Annual Technology Report

Local Education Agencies
ED § 5-212(c)(3)(ii)
MSAR #13167

December 2023



MARYLAND STATE DEPARTMENT OF EDUCATION

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Krishnanda Tallur

Deputy State Superintendent of Operations

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**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance, donna.gunning@maryland.gov.

LEA Name: Allegany
Contact Person: Jeffrey T. Blank
Email Address: Jeffrey.t.Blank@acpsmd.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2022 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Jeffrey S. Blank

Signature:  Date: 11/15/2023

**Annual Technology Report
November 15, 2022**

Allegany

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	State/Local Exp.	Lease Total
Digital Learning Devices											
	Students	laptops	200	96,000.00	96,000.00						
		tablets		-							
		Chromebooks		-							
		Other	15	37,500.00	37,500.00						
	Teachers	laptops	3	4,850.00		4,850.00					
		tablets		-							
		Chromebooks		-							
		Desktop Computers	28	19,880.00		19,880.00					
		Other	207	375,600.00	70,560.00	305,040.00					
	Staff	laptops	32	23,199.00	23,199.00						
		tablets		-							
		Chromebooks		-							
		Desktop Computers	23	41,786.00		41,786.00					
		Other		-							
				-							
Connectivity Devices											
	Students	Wi-Fi Hotspots		-							
		Services Plans	185	35,968.50	35,968.50						
	Teachers	Wi-Fi Hotspots		-							
		Services Plans	15	2,707.31	2,707.31						
	Staff	Wi-Fi Hotspots		-							
		Services Plans	8	3,886.31		3,886.31					
				-							
Information Technology Staff											
		FTE	13	-							
		Vendor-supported Staff		-							
				-							
Supplemental Items											
		Learning Management System		-							
		External Wi-Fi Antennae		-							
		Internal Wi-Fi Boosters		-							
		System-wide Communication Tool*		-							
		Other Technology Initiatives**		-							
		**Wireless Access Points	485	231,000.00	231,000.00						
		**Infrastructure Switches		-							
		**Camera Security	171	230,000.00	230,000.00						
				-							

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

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Allegany

		Student/Staff Count as of 9/30/2021	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	8168	8168	100.00%
	Teachers	771	771	100.00%
	Staff	530	530	100.00%

		Student/Staff Count as of 9/30/2021	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	8168	8168	100.00%
	Teachers	771	771	100.00%
	Staff	530	530	100.00%

Supplemental Items		Licences[^]
Learning Management System	Powerschool/Schoology	
System-wide Communication Tool*	Blackboard Connect	
Other Technology Initiatives**	Powercords, doc cameras, IT Infrastructure, sleeves, interactive displays, wireless access points	

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Allegany

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Yes - all students are provided with a device. If the student (College) requires a laptop, we have provided that instead of a Chromebook. Windows devices are only provided to 12th grade College Algebra and P-Tech students.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

All Students are included to include 34 (past 18 years old) and PreK.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

20%

4. What is the system's Breakage Rate?

9.0%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2021	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	502	502	100%
K	571	571	100%
1	567	567	100%
2	563	563	100%
3	552	552	100%
4	600	600	100%
5	585	585	100%
6	606	606	100%
7	602	602	100%
8	625	625	100%
9	625	625	100%
10	616	616	100%
11	584	584	100%
12	570	570	100%

**Annual Technology Report
November 15, 2023**

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(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

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LEA Name: Anne Arundel County Public Schools
Contact Person: Matthew Stanski/Chief Financial Officer
Email Address: mstanski@aacps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Mark T. Bedell Ed.D.

Signature:  Date: 11-9-2023

**Annual Technology Report
November 15, 2023**

Anne Arundel County Public Schools

			PURCHASED				LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	State/ Local Exp.	Lease Total
Digital Learning Devices	Students	laptops	5	13,740.00	-	13,740.00	3,172	939,768.44	-	939,768.44	3,759,073.76
		tablets	480	370,829.54	-	370,829.54	-	-	-	-	-
		Chromebooks	7,000	2,208,500.00	2,208,500.00	-	-	-	-	-	-
		Other	50	92,720.00	-	92,720.00	2,853	759,723.58	-	759,723.58	3,038,894.32
	Teachers	laptops	-	-	-	-	-	-	-	-	-
		tablets	59	59,578.75	-	59,578.75	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Desktop Computers	-	-	-	-	-	-	-	-	-
	Staff	laptops	5	9,871.00	-	9,871.00	1,106	265,880.00	-	265,880.00	1,063,520.00
		tablets	70	104,469.94	-	104,469.94	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Desktop Computers	17	44,319.00	-	44,319.00	24	7,575.00	-	7,575.00	30,300.00
		Other	-	-	-	-	-	-	-	-	-
Connectivity Devices	Students	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-
		Services Plans	523	106,692.00	-	106,692.00	-	-	-	-	-
	Teachers	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-
		Services Plans	-	-	-	-	-	-	-	-	-
	Staff	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-
	Services Plans	48	23,040.00	-	23,040.00	-	-	-	-	-	
Information Technology Staff	FTE	152	13,152,306.89	159,554.76	12,992,752.13						
	Vendor-supported Staff	43	452,051.50	168,402.50	283,649.00						
Supplemental Items	Learning Management System		816,913.80	807,463.80	9,450.00						
		<i>Brightspace</i>	807,463.80	807,463.80	-						
		<i>Course Arc</i>	9,450.00	-	9,450.00						
		External Wi-Fi Antennae	-	-	-						
		Internal Wi-Fi Boosters	-	-	-						
		System-wide Communication Tool*	1,248,621.86	291,147.74	957,474.12						
		<i>Blackboard Connect ED</i>	120,855.00	-	120,855.00						
		<i>Google Voice</i>	291,147.74	291,147.74	-						
		<i>Microsoft Exchange/Teams</i>	836,619.12	-	836,619.12						
		Other Technology Initiatives**	1,213,322.60	291,595.60	921,727.00						
		<i>Google Enterprise</i>	291,595.60	291,595.60	-					Google Enterprise is a suite of applications (e.g. Docs, Slides) used district-wide to support instruction.	
		<i>Wixie</i>	105,000.00	-	105,000.00					Wixie is a publishing platform that lets students share what they know through their writing, voice, and art.	
		<i>ClassLink</i>	189,995.00	-	189,995.00					ClassLink is a provider of identity and access management products offering SSO and class rostering.	
		<i>WeVideo</i>	55,000.00	-	55,000.00					WeVideo is an online video editor that makes it easy to capture, create, view and share movies.	
		<i>Nearpod</i>	105,780.00	-	105,780.00					Nearpod is an all-in-one solution for the synchronized use of iPads in the classroom.	
		<i>Discovery Education</i>	275,620.00	-	275,620.00					Discovery Education includes thousands of video clips, images, and sounds as well as teacher and PD resources.	
	<i>Read&Write</i>	119,520.00	-	119,520.00					Read&Write is a literacy support tool that provides students access to text-to-speech, word prediction, and speech-to-text.		
	<i>SMART Lumio</i>	70,812.00	-	70,812.00					SMART Lumio is a tool for turning lessons into collaborative learning experiences that engage students on their devices.		

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

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Anne Arundel County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System-purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	84452	105249	124.63%
	Teachers	5929.1	5929.1	100.00%
	Staff	2211.5	2211.5	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	84452	84452	100.00%
	Teachers	5930.1	N/A	#VALUE!
	Staff	5059.9	N/A	#VALUE!

Supplemental Items			Licenses^
	Learning Management System	Brightspace	Site License
		Course Arc	Site License
	System-wide Communication Tool*	BlackBoard ConnectEd	Site License
		Google Voice	10,000
		Microsoft Exchange-Staff / Secondary Students	Site License
		Microsoft Teams	Site License
		Google Enterprise	Site License
	Other Technology Initiatives**	Wixie	Site License
		ClassLink	Site License
		WeVideo	Site License
		Nearpod	Site License
		Discovery Education	Site License
		Read&Write	83,000
		SMART Lumio	5,058

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** Include a description of each initiative

**See page 2 for descriptions

^ Quantity of licenses for supplemental items

**Annual Technology Report
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Anne Arundel County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

AACPS does not have an official 1:1 student to device ratio policy. However, when the pandemic hit, AACPS chose to implement the purchase of enough devices to allow every student the ability to have a device assigned to them. Furthermore, it was decided in the 2020-2021 school year to implement 2 devices for every one student at the PreK-2nd grade levels. Each student in those grade levels keeps a device at home for learning purposes and has a device at school that is assigned to them as well. This was to promote access for students and to limit carrying a device back and forth to prevent breakage and/or misplacing devices.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

All students, except charter and home instruction students, are granted access to a device. Charter and Contract schools purchase their own equipment for their students. Those schools also have a 1:1 device ratio.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

41,000

4. What is the system's Breakage Rate?

11%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	2394	4788	200%
K	5966	11932	200%
1	6294	12588	200%
2	6143	12286	200%
3	6295	6295	100%
4	6196	6196	100%
5	6325	6325	100%
6	6293	6293	100%
7	6449	6449	100%
8	6516	6516	100%
9	7331	7331	100%
10	6910	6910	100%
11	5773	5773	100%
12	5567	5567	100%

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LEA Name: **Baltimore City Public Schools**

Contact Person: Thomas. T. Jones, Chief Information Technology Officer

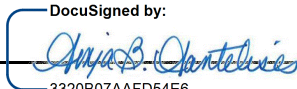
Email Address: tjones05@bcps.k12.md.us

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the atual expenditures for the technology items identified in the report.

Superintendent of Schools: Dr. Sonja Santelises

Printed Name: _____

Signature:  _____ Date: 11/15/2023 | 4:21:29 PM EST

3320B07AAFD54E6...

NOTE: In the original document, cells C2 & C3 on the "Usage" tab, as well cell C29 in the "Device Policy" tab, showed a date of "9/30/21". However, since this information is for SY21/22, we updated the date in the cell and provided information as of "9/30/2022" (SY22/2

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Baltimore City Public Schools

			PURCHASED			LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023				
			Exp.	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023	State/ Local	Lease
			Quantity	Exp.	Exp.	Quantity	Total Exp.	Federal Exp.	Exp.	Total
Digital Learning Devices										
	Students	laptops	1964	1,767,600.00	\$1,767,600		-			
		tablets	4749	2,137,050.00	\$2,137,050		-			
		Chromebooks	48917	17,120,950.00	\$17,120,950		-			
		Other	66	165,000.00	\$165,000		-			
	Teachers	laptops	1273	1,400,300.00	\$1,400,300		-			
		tablets		-	\$0		-			
		Chromebooks		-	\$0		-			
		Desktop Computers	90	72,000.00	\$72,000		-			
		Other		-	\$0		-			
	Staff	laptops	565	734,500.00	\$734,500		-			
		tablets		-	\$0		-			
		Chromebooks		-	\$0		-			
		Desktop Computers		-	\$0		-			
		Other	448	448,000.00	\$448,000		-			
				-			-			
Connectivity Devices										
	Students	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
	Teachers	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
	Staff	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
				-			-			
Information Technology Staff										
		FTE	64	7,459,208.05		7,459,208.05	-			
		Vendor-supported Staff	42	3,133,120.00	3,133,120.00		-			
				-			-			
Supplemental Items										
		Learning Management System - Schoology (for VLP)	2,000	45,970.00	45,970.00		-			
		Learning Management System - Blackboard ***	-	278,393.00	278,393.00		-			
		External Wi-Fi Antennae		-			-			
		Internal Wi-Fi Boosters and network switches	4,211	\$1,005,378.75	\$688,462.75	\$316,916.00	-			
		Zoom	10,000	104,500.00	104,500.00		-			
		Infinite Campus		\$713,475.05	713,475.05		-			
		Tableau	25	212,180.00	212,180.00		-			
		Microsoft Office Suite ***		1,055,152.44	1,055,152.44		-			
		System-wide Communication Tool*					-			
		Other Technology Initiatives**					-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

*** Enterprise License

**Annual Technology Report
November 15, 2022**

Baltimore City Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students ++	60718	57765	95.14%
	Teachers **	4022	4022	100.00%
	Staff ** (1)	4679	4679	100.00%

** The district did not provide connectivity at home for teachers or staff, but instead ensured on-campus connectivity options that staff can utilize.

(1) This does NOT include custodians, food service workers, bus drivers, manual laborers, etc.

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	60718	57765	95.14%
	Teachers	4022	4022	100.00%
	Staff	4679	4679	100.00%

Supplemental Items		Licences^
Learning Management System	Schoology	2,000
Learning Management System***	Blackboard	Enterprise
Learning Management System***	Google Classroom	Enterprise
System-wide Communication Tool*	Zoom	10,000
Other Technology Initiatives**		

* List communication tools separately; insert lines as necessary.

** Include a description of each initiative

^ Quantity of licenses for supplemental items

*** License covers all students and staff district wide

++ Student counts reflect "traditional" school students only (i.e., NOT charter schools)

**Annual Technology Report
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Baltimore City Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

The district has implemented a 1:1 student device strategy that would allow students to fully utilize computers in day to day instruction for FY23. Additional devices have been purchased to achieve the district's goal of a 1:1 ratio with surplus devices (20%) to meet the needs of new students and to allow continuity of instruction when there are device breakages.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

Pre-K

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

20%

4. What is the system's Breakage Rate?

7%

**

**** NOTE:** The % shown reflects the "non-repairable" (i.e., unable to be returned to service) rate as "breakage." If "breakage" were to include any breakage, including those that are returned to service, the "breakage rate would be 10%.

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	3222	1985	62%
K	4199	3862	92%
1	4313	4249	99%
2	4289	4263	99%
3	4269	4149	97%
4	4365	4092	94%
5	4222	4166	99%
6	4080	3910	96%
7	3921	3921	100%
8	4252	3947	93%
9	7003	6732	96%
10	5219	5210	100%
11	3749	3749	100%
12	3615	3530	98%

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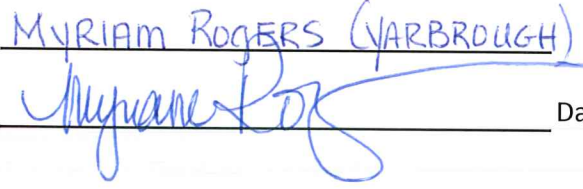
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LEA Name: _____
Contact Person: _____
Email Address: _____

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: MYRIAM ROGERS (VARBROUGH)
Signature:  Date: 11-16-23

**Annual Technology Report
November 15, 2022**

0

			PURCHASED			FINANCED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023 Total	FY 2023	FY 2023 State/			
			Quantity	Exp.	Exp.	Local Exp.	Quantity	Exp.	Federal Exp.	Local Exp.	Finance Total
Digital Learning Devices											
	Students	laptops		-				-			
		tablets		-				-			
		Chromebooks		-			110,300	14,987,297.27		14,987,297.27	14,987,297.27
		Other	300	300,000.00		300,000.00		-			
	Teachers	laptops		-			11,000	5,962,086.43		5,962,086.43	5,962,086.43
		tablets		-				-			
		Chromebooks	300	106,500.00	106,500.00			-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops		-			5,500	1,572,500.00		1,572,500.00	1,572,500.00
		tablets		-				-			
		Chromebooks	3,100	-				-			
		Desktop Computers		-			2,700	941,288.12		941,288.12	941,288.12
		Other		-				-			
				-				-			
Connectivity Devices											
	Students	Wi-Fi Hotspots	3,000	-	-	-	-	-	-	-	-
		Services Plans	3,000	1,821,120.00	\$1,821,120.00	-	-	-	-	-	-
	Teachers	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-
		Services Plans	-	-	-	-	-	-	-	-	-
	Staff	Wi-Fi Hotspots	40	-	-	-	-	-	-	-	-
		Services Plans	40	23,520.00	-	23,520.00	-	-	-	-	-
				-				-			
Information Technology Staff											
		FTE	98	9,000,000.00		9,000,000.00		-			
		Vendor-supported Staff	83	5,500,000.00		5,500,000.00		-			
				-				-			
Supplemental Items											
		Learning Management System	140,000	466,498.15		466,498.15		-			
		External Wi-Fi Antennae/Access Points	700	570,000.00	-	570,000.00	-	-	-	-	-
		Internal Wi-Fi Boosters/Access Points	12,500	1,187,500.00	-	1,187,500.00	-	-	-	-	-
		System-wide Communication Tool*		-				-			
		Other Technology Initiatives**		-				-			
		Google Enterprise	110,200	100,000.00		450,000		-			
				-				-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

0

		Student/Staff Count as of 9/30/2021	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	0	0	#DIV/0!
	Teachers			#DIV/0!
	Staff			#DIV/0!

		Student/Staff Count as of 9/30/2021	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	0	108718	#DIV/0!
	Teachers	8200	8100	98.78%
	Staff	4000	3950	98.75%

Supplemental Items		Licences[^]
Learning Management System		
System-wide Communication Tool*		
Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

0

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

4. What is the system's Breakage Rate?

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2021	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK			#DIV/0!
K			#DIV/0!
1			#DIV/0!
2			#DIV/0!
3			#DIV/0!
4			#DIV/0!
5			#DIV/0!
6			#DIV/0!
7			#DIV/0!
8			#DIV/0!
9			#DIV/0!
10			#DIV/0!
11			#DIV/0!
12			#DIV/0!

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance, donna.gunning@maryland.gov.

LEA Name: Calvert
Contact Person: Scott Johnson (Chief Financial Officer)
Email Address: johnsonse@calvertnet.k12.md.us

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Dr. Andre Townsel

Signature:  Date: 11/15/2023

**Annual Technology Report
November 15, 2022**

Calvert

		PURCHASED			LEASED					
		FY 2023 Total	FY 2023 Federal	FY 2023 State/	Quantity	FY 2023 Total	FY 2023	FY 2023 State/	Lease Total	
		Quantity	Exp.	Local Exp.	Quantity	Exp.	Federal Exp.	Local Exp.		
Digital Learning Devices										*The quantities in column I reflect 1/3 of the total devices leased since we are on a 3 and 4 year lease programs
Students	laptops (lease 003)				4,050	\$630,666.08		\$630,666.08	\$1,920,500.00	
	laptops (lease 004)				4,050	\$ 531,120.17		\$ 531,120.17	\$1,617,300.00	
	laptops (lease 1816161)				3,229	\$ 565,573.59		\$ 565,573.59	\$1,696,720.77	
	laptops (lease 1816154)				1,418	\$ 227,808.51		\$ 227,808.51	\$911,234.04	
	laptops (lease 1884917)				1,365	\$ 268,298.77	\$ 268,298.77		\$804,896.31	**Paid from ESSER
	laptops (lease 1884922)				1,365	\$ 245,157.02	\$ 245,157.02		\$980,628.08	**Paid from ESSER
	tablets (lease 004)				1,105	-			\$467,384.75	*For FY23, iPad lease was paid off in FY22. No additional iPads were leased by IT for FY23
	laptops (3rd & 6th Grade)	2,415	\$ 1,471,701.00	\$ 1,471,701.00						**Paid from ESSER
	tablets									
	Chromebooks									
	Other									
Teachers	laptops				1,200	**				**Cost is included in student laptop lease 003 (it's approximately \$100,000)
	laptops (lease 1884921)				1,500	\$ 395,900.63	\$ 395,900.63		\$1,571,602.52	**Paid from ECF
	tablets									
	Chromebooks									
	Desktop Computers									*Desktops are purchased outside of IT. Schools and/or departments will have to provide purchase information.
	Other									
Staff	laptops	96	105,327.45	45,177.00						*Laptops for staff are not supplied by IT. Schools and/or departments will have to provide purchase information.
	tablets	7	12,734.40	-						*iPads for staff are not supplied by IT. Schools and/or departments will have to provide purchase information.
	Chromebooks									
	Desktop Computers	12	11,297.00	-						*Desktops are purchased outside of IT. Schools and/or departments will have to provide purchase information.
	Other									
Connectivity Devices										
Students	Wi-Fi Hotspots									
	Services Plans	50	\$13,702.29	\$13,702.29						* Each data plan cost \$24.97 per month (and we paid for 10 months of service), plus a Telecom Admin Fee of \$1217.29.
Teachers	Wi-Fi Hotspots									
	Services Plans	-	-	-						* There could be some hotspots that Special Education and Admin may have purchased for teachers --- outside of IT. Special Ed or Admin would need to provide these figures.
Staff	Wi-Fi Hotspots									
	Services Plans	-	-	-						* There could be some hotspots that Special Education and Admin may have purchased for staff --- outside of IT. Special Ed or Admin would need to provide these figures.
Information Technology Staff										
	FTE	33	\$2,816,183	\$2,816,183						*Finance provided the expenditure \$\$ data
	Vendor-supported Staff	10	\$15,096.00	\$15,096.00						*This number reflects the number of summer help we employed in IT but does not include any vendor assistance during FY23
Supplemental Items										
	Learning Management System (Schoology)	1	\$81,723.29	\$81,723.29						* The Dept of Instruction pays for our LMS
	External Wi-Fi Antennae									
	Internal Wi-Fi Boosters									
	System-wide Communication Tool* (School Messenger)	1	\$38,024.44	\$38,024.44						* The Dept of Communications pays for School Messenger
	Other Technology Initiatives**									
	Office365	1	\$ 221,585.00	\$ 221,585.00						* Students use the Office products for document storage and Teams for collaboration and attending virtual instruction
	TeamViewer	1	\$ 8,000.00	\$ 8,000.00						* Enables IT to support students and staff virtually
	Zendesk	1	\$ 32,500.00	\$ 32,500.00						* Provides a system where staff, students, and parents may reach out for assistance with technology barriers that interfere with instruction.

* list communication tools separately; add lines as necessary.
** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Calvert

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	15350	12791	83.33%
	Teachers	1000	1000	100.00%
	Staff	1143	955	83.55%

* IT does not purchase devices for non-teaching staff. This figure will need to be obtained from the departments and schools.

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	15350	15330	99.87%
	Teachers	1000	998	99.80%
	Staff	1143	1143	100.00%

Supplemental Items			Licences[^]
Supplemental Items	Learning Management System		*This figure was provided on the "Expenditures" worksheet so we are not providing it again here. Plus, it's grayed out.
	System-wide Communication Tool*		*This figure was provided on the "Expenditures" worksheet so we are not providing it again here. Plus, it's grayed out.
	Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Calvert

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Laptops are issued to all students in grades 3-12. iPads are utilized by students in grades PreK-2 at the ratio of 1 iPad for every 4 students.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

Grades 3 - 12 are 1:1. PreK - 2 are not 1:1.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

10%

*10% additional laptops are allocated per lease to minimize downtime while a student device is being serviced

4. What is the system's Breakage Rate?

8.79%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	303	76	25%
K	1043	261	25%
1	1024	256	25%
2	1043	261	25%
3	1103	1103	100%
4	1125	1125	100%
5	1115	1115	100%
6	1230	1230	100%
7	1151	1151	100%
8	1164	1164	100%
9	1333	1333	100%
10	1319	1319	100%
11	1176	1176	100%
12	1221	1221	100%

15350

* iPads are utilized by students in grades PreK-2 at the ratio of 1 iPad for every 4 students.
 * iPads are utilized by students in grades PreK-2 at the ratio of 1 iPad for every 4 students.
 * iPads are utilized by students in grades PreK-2 at the ratio of 1 iPad for every 4 students.
 * iPads are utilized by students in grades PreK-2 at the ratio of 1 iPad for every 4 students.

Education Article §5-212

- (3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:
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 2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.
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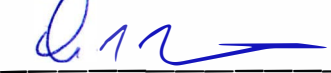
LEA Name: Caroline County Public Schools
Contact Person: Jason Weilgosz
Email Address: weilgosz.jason@ccpsstaff.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools: _____

Printed Name: Derek Simmons

Signature: 1  Date: 11/8/23

0

			PURCHASED				LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/ Local Exp.	Lease Total
Digital Learning Devices											
	Students	laptops	-	-	-	-	-	-	-	-	-
		tablets	261	96,789.00	90,952.00	5,837.00	-	-	-	-	-
		Chromebooks	1,100	329,175.00	329,175.00	-	-	-	-	-	-
		Other	-	-	-	-	-	-	-	-	-
	Teachers	laptops	-	-	-	-	-	-	-	-	-
		tablets	-	-	-	-	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Desktop Computers	-	-	-	-	-	-	-	-	-
		Other	-	-	-	-	-	-	-	-	-
	Staff	laptops	16.00	19,978.25	8,692.00	11,286.25	-	-	-	-	-
		tablets	1.00	1,250.86	-	1,250.86	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Desktop Computers	-	-	-	-	-	-	-	-	-
		Other	-	-	-	-	-	-	-	-	-
Connectivity Devices											
	Students	Wi-Fi Hotspots	350	64,050.00	64,050.00	-	-	-	-	-	-
		Services Plans	-	-	-	-	-	-	-	-	-
	Teachers	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-
		Services Plans	-	-	-	-	-	-	-	-	-
	Staff	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-
		Services Plans	-	-	-	-	-	-	-	-	-
Technology Staff											
		FTE	14	904,657.14	-	904,657.14	-	-	-	-	-
		Vendor-supported Staff	-	-	-	-	-	-	-	-	-
Items											
		Learning Management System	-	-	-	-	-	-	-	-	-
		Performance Matters	5,907	2,819.14	-	2,819.14	-	-	-	-	-
		Schoology	5,795	23,006.15	-	23,006.15	-	-	-	-	-
		External Wi-Fi Antennae	-	-	-	-	-	-	-	-	-
		Internal Wi-Fi Boosters	-	-	-	-	-	-	-	-	-
		System-wide Communication Tool	-	-	-	-	-	-	-	-	-
		Extreme Network Access Point	500	347,749.00	278,199.20	69,549.80	-	-	-	-	-
		Apptegy	1	44,000.00	44,000.00	-	-	-	-	-	-
		Other Technology Initiatives**	-	-	-	-	-	-	-	-	-

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

0

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	5667	5667	100.00%
	Teachers	475	475	100.00%
	Staff	459	459	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	5667	5667	100.00%
	Teachers	475	430	90.53%
	Staff	459	415	90.41%

		Licences[^]
Supplemental Items	Learning Management System	11702
	System-wide Communication Tool*	1
	Other Technology Initiatives**	

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

0

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Yes, our school system has implemented a 1:1 student to device ratio policy as part of our educational technology initiative. This policy ensures that every student enrolled in our schools has access to a computing device for learning purposes.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

CCPS's 1:1 student to device ratio policy includes all specific grade bands.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

5%

4. What is the system's Breakage Rate?

11%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System- purchased Device	% Assigned a System- purchased Device
preK	305	305	100%
K	371	371	100%
1	370	370	100%
2	405	405	100%
3	376	376	100%
4	422	422	100%
5	403	403	100%
6	412	412	100%
7	411	411	100%
8	417	417	100%
9	541	541	100%
10	467	467	100%
11	390	390	100%
12	377	377	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

- (3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:
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- (iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Executive Director, Office of Policy and Fiscal Analysis, donna.gunning@maryland.gov.

LEA Name: **Carroll County Public Schools**
Contact Person: Gary R. Davis
Email Address: grdavis@carrollk12.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Dr. Cynthia McCabe

Signature:  Date: 10/23/2023

**Annual Technology Report
November 15, 2021**

Carroll County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/Local Exp.	Lease Total
Digital Learning Devices											
Students	laptops	4,300	1,840,000.00		1,840,000.00						
		tablets		-							
		Chromebooks		-							
		Other	16	18,784.00		18,784.00					
	Teachers	laptops	325	397,800.00		397,800.00					
		tablets		-							
		Chromebooks		-							
		Desktop Computers		-							
	Staff	Other		-							
		laptops	35	50,155.00		50,155.00					
		tablets		-							
		Chromebooks		-							
	Desktop Computers	128	95,744.00		95,744.00						
		Other		-							
				-							
				-							
Connectivity Devices											
Students	Wi-Fi Hotspots	851	-								
	Services Plans	851	323,931.23	323,931.23							
Teachers	Wi-Fi Hotspots		-								
	Services Plans		-								
Staff	Wi-Fi Hotspots		-								
	Services Plans		-								
			-								
Information Technology Staff											
FTE	39	3,669,755.65		3,669,755.65							
	Vendor-supported Staff	0.8	153,943.60		153,943.60						
			-								
Supplemental Items											
Learning Management System	Schoology		108,885.00		108,885.00						
	Google Workspace for Education		96,000.00		96,000.00						
	External Wi-Fi Antennae		-								
	Internal Wi-Fi Boosters		-								
	System-wide Communication Tool*		61,229.85		61,229.85						
School Messenger	Other Technology Initiatives**		30,214.28	30,214.28							
Azure Virtual Machines			-								

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2021**

Carroll County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	25784	25,343	98.29%
	Teachers	2011	1954	97.17%
	Staff	1648	1309	79.43%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home #	Students	25784	NA *	#VALUE!
	Teachers	2011	NA *	#VALUE!
	Staff	1648	NA *	#VALUE!

Supplemental Items			Licences^
Learning Management System			
	Schoology		25,500
	Google Workspace for Education		
	Google Workspace for Education		40000
	School Messenger System-wide Communication Tool*		250
	Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

^ Quantity of licenses for supplemental items

NOTE: We do not track this data.

**Annual Technology Report
November 15, 2021**

Carroll County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Carroll County Public Schools has a full 1:1 student to device ratio at all levels except Pre-K. Laptop carts are available for their use.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

K-12

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

10%

4. What is the system's Breakage Rate?

7%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	441	0	0%
K	1,817	1,817	100%
1	1,978	1,978	100%
2	1,912	1,912	100%
3	1,954	1,954	100%
4	1,879	1,879	100%
5	1,951	1,951	100%
6	1,900	1,900	100%
7	1,922	1,922	100%
8	1,907	1,907	100%
9	2,206	2,206	100%
10	2,066	2,066	100%
11	2,111	2,111	100%
12	1,740	1,740	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance, donna.gunning@maryland.gov.

LEA Name: Cecil County Public Schools
Contact Person: Kyle Rickansrud, Director of Technology and Media Services
Email Address: krickansrud@ccps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Jeffrey A. Lawson, Ed. D

Signature: 

Date: 11.14.23

**Annual Technology Report
November 15, 2022**

Cecil County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	State/Local Exp.	Lease Total
Digital Learning Devices											
	Students	laptops		-				-			
		tablets	44	22,378.00	6,538.00	15,840.00		-			
		Chromebooks	1,044	454,767.09	338,981.09	115,786.00		-			
		Desktop Computers	224	92,232.00		92,232.00		-			
	Teachers	laptops	282	365,538.00	164,934.00	200,604.00		-			
		tablets	28	9,122.00	1,647.00	7,475.00		-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops		-				-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers	20	15,840.00		15,840.00		-			
		Other		-				-			
				-				-			
Connectivity Devices											
	Students	Wi-Fi Hotspots		-				-			
		Services Plans	700	137,916.10	137,916.10			-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Staff	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
				-				-			
Information Technology Staff											
		FTE	20	1,532,759.11		1,532,759.11		-			
		Vendor-supported Staff		-				-			
				-				-			
Supplemental Items											
		Learning Management System	1	73,445.00		73,445.00		-			
		External Wi-Fi Antennae		-				-			
		Internal Wi-Fi Boosters		-				-			
		System-wide Communication Tool*	1	30,000.00		30,000.00		-			
		System-wide Mobile App	1	16,922.00		16,922.00		-			
				-				-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Cecil County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	14896	13807	92.69%
	Teachers	1300	1300	100.00%
	Staff	819	819	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	14896	13853	93.00%
	Teachers	1300	1300	100.00%
	Staff	819	819	100.00%

Supplemental Items		Licences[^]
Learning Management System		Districtwide
System-wide Communication Tool*		Districtwide
Other Technology Initiatives**		Districtwide

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Cecil County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

For the SY23, we target a 1:1 take home policy at the high school level. In middle school, students are assigned a Chromebook but only take them home on an as needed basis. There is no one to one policy/initiative at the elementary level as different grades require different access.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

Our early grades, PreS, PreK & K, are not outfitted in a 1:1 fashion

3. What is the system's overage rate to maintain student to device ratio with minimal disruption? **10**

4. What is the system's Breakage Rate? **16**

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	558	200	36%
K	1031	300	29%
1	1009	1009	100%
2	1027	1027	100%
3	1037	1037	100%
4	1075	1075	100%
5	1071	1071	100%
6	1085	1085	100%
7	1073	1073	100%
8	1166	1166	100%
9	1341	1341	100%
10	1193	1193	100%
11	1118	1118	100%
12	1112	1112	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
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LEA Name: Charles County Public Schools
Contact Person: Lora Bennett
Email Address: lbennett@ccboe.com

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Maria V. Navarro, Ed.D.

KMA Signature: 

Date: 11/14/23

**Annual Technology Report
November 15, 2023**

Charles County Public Schools

			PURCHASED			LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/		FY 2023	FY 2023	FY 2023	Lease
			Quantity	Exp.	Local Exp.	Quantity	Total Exp.	Federal Exp.	State/	Total
								Local Exp.		
Digital Learning Devices										
	Students	laptops	7	5,867.75	5,867.75		-			
		tablets	21	9,617.00	8,859.00	758.00	-			
		Chromebooks		-			-			
		Other		-			-			
	Teachers	laptops	11	14,588.25	14,588.25		-			
		tablets		-			-			
		Chromebooks		-			-			
		Desktop Computers	120	92,225.64	57,919.25	34,306.39	-			
		Other		-			-			
	Staff	laptops	25	14,665.71	10,540.71	4,125.00	-			
		tablets		-			-			
		Chromebooks		-			-			
		Desktop Computers	1	4,735.00		4,735.00	-			
		Other		-			-			
				-			-			
Connectivity Devices										
	Students	Wi-Fi Hotspots		-			-			
		Services Plans	1,233	242,767.22	242,767.22		-			
	Teachers	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
	Staff	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
				-			-			
Information Technology Staff										
		FTE		-			-			
		Vendor-supported Staff	-	-			-			
				-			-			
Supplemental Items										
		Learning Management System		341,416.19	341,416.19		-			
		External Wi-Fi Antennae		-			-			
		Internal Wi-Fi Boosters		-			-			
		System-wide Communication Tool*		-			-			
		Other Technology Initiatives**		-			-			
				-			-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2023**

Charles County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	27598	27598	100.00%
	Teachers	1801.8	1801.8	100.00%
	Staff	1927.1	1927.1	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	27598	We do not collect	#VALUE!
	Teachers	1801.8	We do not collect	#VALUE!
	Staff	1927.1	We do not collect	#VALUE!

Supplemental Items		Licenses[^]
Learning Management System		
System-wide Communication Tool*		
Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2023**

Charles County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

For FY23, Charles County continued our system wide 1-1 device policy in which all Pre-K through 12th grade students were issued a device.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

currently we

4. What is the system's Breakage Rate?

41 Loss/Damage tickets

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	958	958	100%
K	1755	1755	100%
1	1814	1814	100%
2	1793	1793	100%
3	1849	1849	100%
4	1932	1932	100%
5	2095	2095	100%
6	1989	1989	100%
7	2085	2085	100%
8	2135	2135	100%
9	2585	2585	100%
10	2486	2486	100%
11	2100	2100	100%
12	2022	2022	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

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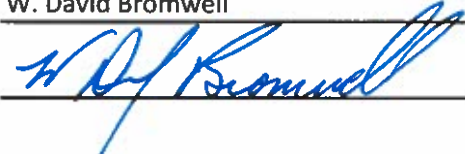
LEA Name: Dorchester County Public Schools
Contact Person: Cindy Houghtaling
Email Address: houghtalingc@dcpsmd.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: W. David Bromwell

Signature:  Date: 11/15/2023

Dorchester County Public Schools

			PURCHASED			LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023	FY 2023	FY 2023	Lease	
			Exp.	Exp.	Local Exp.	Total Exp.	Federal Exp.	State/	Total	
Quantity								Local Exp.		
Digital Learning										
Devices										
Students	laptops	21	46,473.00		46,476.00	-				
	tablets (iPads)	355	104,895.00	82,470.00	22,425.00	-				
	Chromebooks (Acers)	900	365,400.00	365,400.00		-				
	Other	-	-			-				
Teachers	laptops	1	1,243.00		1,243.00	-				
	tablets (iPads)	119	43,541.00	29,400.00	14,141.00	-				
	Chromebooks (Acers)	-	-			-				
	Desktop Computers	-	-			-				
	Other	-	-			-				
Staff	laptops	8	8,933.00	1,254.00	7,679.00	-				
	tablets (iPads)	21	8,677.70	6,285.70	1,852.00	-				
	Chromebooks (Acers)	-	-			-				
	Desktop Computers	-	-			-				
	Other	-	-			-				
Connectivity										
Devices										
Students	Wi-Fi Hotspots	-	-			-				
	Services Plans	83	11,786.00	11,786.00	-	-				
Teachers	Wi-Fi Hotspots	-	-			-				
	Services Plans	11	1,562.00	1,562.00	-	-				
Staff	Wi-Fi Hotspots	-	-			-				
	Services Plans	-	-			-				
Information										
Technology Staff										
	FTE	17	987,815.00	405,547.00	582,268.00	-				
	Vendor-supported Staff	-	-			-				
Supplemental										
Items										
	Learning Management System		36,105.18	36,105.18		-				
	External Wi-Fi Antennae		-			-				
	Internal Wi-Fi Boosters		-			-				
	System-wide Communication									
	Tool* (SchoolMessenger District									
	License,including Secure									
	Document Delivery Add-On and									
	PowerSchool Access Add-On)	4,654	22,955.41		22,955.41	-				
	Other Technology Initiatives**		-			-				
	One-to-One Asset Manager District License (i		6,600.00		6,600	-				
	RSU Cloud (licenses for remote de	3	1809.86		1809.86	-				
	PDQ Deploy (licenses to deploy so	10	10,500.00		10,500.00	-				
	WorkspaceOne (licenses for mobile device m		34,290	34,290		-				
	Dell Servers and Support		8,972.00		8,972	-				
	Data Domain (5yrs)		21847		21847	-				
	Juniper (switch support & upgrades)		8416		8416	-				
	Vmware		6721		6721	-				
	VEEAM License & Backup		3971		3971	-				
	PowerSchool SIS		33061.5		33061.5	-				
	PowerSchool SIS Enterprise									
	Management Service		7959.29		7959.29	-				
	iBoss Filter (filtering)		13824		13824	-				
	Apptegy (website &									
	communication platform)		35525		35525	-				
	Halvision (digital messaging)		12894.1		12894.1	-				
	Microsoft Office	892	57420		57420	-				
	Tangent (spam filter)		2500		2500	-				
	Backupify (Office 365 Backup)		816		816	-				
	Lightspeed (internet filter)		144645	144645		-				
	NetApp Renewal (virtual server)		3264.61		3264.61	-				
	Apple Pencils	93	8427		8427	-				
	Fortinet (hardware support &									
	threat protection)		96152		96152	-				
	immutable storage		56886		56886	-				

* list communication tools separately; add lines as necessary.
** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Dorchester County Public Schools

		Number with		
		Student/Staff Count as of 9/30/2022	Sytem- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	4493	4493	100.00%
	Teachers	346	346	100.00%
	Staff	437	385	88.10%

		Student/Staff	Number with	Percent with	
		Count as of 9/30/2022	Adequate Connectivity	Adequate Connectivity	
Adequate Connectivity at Home	Students	4493	3937	87.63%	numbers based on prior year data
	Teachers	346	288	83.24%	
	Staff	437	403	92.22%	

Supplemental Items		Licences [^]
	Learning Management System	1 district license
	System-wide Communication Tool*	1 district license
	Other Technology Initiatives**	
	SchoolMessenger District License, including Secure Document Delivery Add-On and PowerSchool Access Add-On	1 district license
	PowerSchool Enrollment and Registration (district student registration and language add-ons)	1 district license
	Other Technology Initiatives**	
	One-to-One Asset Manager District License (inventory system)	1 district license
	RSU Cloud (licenses for remote desktop)	3
	PDQ Deploy (licenses to deploy software remotely)	10
	WorkspaceOne (licenses for mobile device management)	1,800
	SentinelOne	8,000 3 yr. contract
	PowerSchool EMS District Add-On (state reporting and release updates for PowerSchool server)	1 district license
	iBoss Filter (filtering)	6,200 5yr. Contract
	Apptegy (new website and communication platform)	1 district license

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Dorchester County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Dorchester County Public Schools moved to a 1:1 student to device ratio beginning in Fall 2020. Students in grades PreK, K, and 1 utilize iPads for instruction. Student in grades 2 - 12 are issued laptops or netbooks.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

All students in grades PreK-12 are included in the 1:1 student to device ratio policy.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

12%

4. What is the system's Breakage Rate?

11%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	246	246	100%
K	283	283	100%
1	339	339	100%
2	298	298	100%
3	343	343	100%
4	351	351	100%
5	311	311	100%
6	303	303	100%
7	318	318	100%
8	345	345	100%
9	496	496	100%
10	337	337	100%
11	285	285	100%
12	238	238	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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LEA Name: **Frederick County Public Schools**
Contact Person: Heather Clabaugh
Email Address: heather.clabaugh@fcps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: _____

Signature: _____ Date: _____

**Annual Technology Report
November 15, 2022**

Frederick County Public Schools

			PURCHASED				LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/		FY 2023	FY 2023	FY 2023	Lease	
			Quantity	Exp.	Local Exp.	Quantity	Total Exp.	Federal Exp.	Local Exp.	Total	
Digital Learning Devices											
Students	laptops		-	-	-	-	-	-	-	-	
	tablets		400	163,521.50	6,132.00	157,389.50	-	-	-	-	
	Chromebooks		10,209	2,571,791.24	23,376.00	2,548,415.24	-	-	-	-	
	Other		1,927	860,402.00	20,616.00	839,786.00	-	-	-	-	
Teachers	laptops		459	397,023.00	4,646.00	392,377.00	-	-	-	-	
	tablets		25	12,048.00	-	12,048.00	-	-	-	-	
	Chromebooks		-	-	-	-	-	-	-	-	
	Desktop Computers		139	99,126.00	27,247.00	71,879.00	-	-	-	-	
	Other		79	197,129.00	107,539.00	89,590.00	-	-	-	-	
Staff	laptops		427	374,586.91	10,377.00	364,209.91	-	-	-	-	
	tablets		27	21,924.59	-	21,924.59	-	-	-	-	
	Chromebooks		4	1,133.37	-	1,133.37	-	-	-	-	
	Desktop Computers		79	68,626.00	-	68,626.00	-	-	-	-	
	Other		6	7,729.25	-	7,729.25	-	-	-	-	
Connectivity Devices											
Students	Wi-Fi Hotspots		1	375.00	-	375.00	-	-	-	-	
	Services Plans		76	39,873.39	-	39,873.39	-	-	-	-	
Teachers	Wi-Fi Hotspots		1	2,541.43	-	2,541.43	-	-	-	-	
	Services Plans		-	-	-	-	-	-	-	-	
Staff	Wi-Fi Hotspots		-	-	-	-	-	-	-	-	
	Services Plans		41	-	-	-	-	-	-	-	
Information Technology Staff											
	FTE		148	10,002,773.75	-	10,002,773.75	-	-	-	-	
	Vendor-supported Staff		-	-	-	-	-	-	-	-	
Supplemental Items											
	Learning Management System		2	254,258.00	56,618.00	197,640.00	-	-	-	-	
	External Wi-Fi Antennae		-	-	-	-	-	-	-	-	
	Internal Wi-Fi Boosters		-	-	-	-	-	-	-	-	
	System-wide Communication Tool*		48,260	160,512.44	-	160,512.44	-	-	-	-	
	Other Technology Initiatives**		-	-	-	-	-	-	-	-	

* list communication tools separately; add lines as necessary

** Include a description of each initiative

- System-wide Communication Tools:
- One-Call Now
- Talking Points Software
- Relatrix Find-Out-First/Employee News
- Relatrix Volunteer Portal
- Swagit (FCPS-TV Livestreaming)

**Annual Technology Report
November 15, 2022**

Frederick County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	46899	46899	100.00%
	Teachers	3288.62	3288	99.98%
	Staff	2913.5	2913	99.98%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	46899	46899	100.00%
	Teachers	3288.62	3288	99.98%
	Staff	2913.5	2913	99.98%

		Licences[^]	
Supplemental Items	Learning Management System	PowerSchool (Schoolology)	1 - Enterprise
		Unified Talent (Staff LMS)	1 - Enterprise
	System-wide Communication Tool*	One-Call Now	44,188
		Talking Points Software	4,000
		Realtrix Find-Out-First/Employee News	70
		Realtrix Volunteer Portal	1
		Swagit (FCPS-TV Livestreaming)	1
Other Technology Initiatives**			

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Frederick County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Frederick County Public Schools (FCPS) has a 1:1 policy for all students. Students may use an FCPS device or they may select to use their own device. Elementary students have an in-school 1:1 program; devices are not taken home. Devices are available to take home in case of needed virtual instruction.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

All FCPS students are 1:1 in grades Pre-K through 12.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

5%

4. What is the system's Breakage Rate?

13%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	1539	1539	100%
K	3184	3184	100%
1	3441	3441	100%
2	3387	3387	100%
3	3380	3380	100%
4	3342	3342	100%
5	3357	3357	100%
6	3520	3520	100%
7	3503	3503	100%
8	3578	3578	100%
9	3976	3976	100%
10	3894	3894	100%
11	3481	3481	100%
12	3317	3317	100%

Annual Technology Report November 15, 2023

Education Article §5-212

- (3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:
1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
 2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.
- (ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.
- (iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance, donna.gunning@maryland.gov.

LEA Name: Garrett County Schools

Contact Person: Jeff Gank

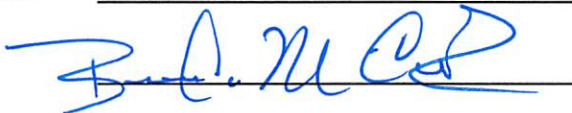
Email Address: jeff.gank@garrettcountyschools.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Brenda McCartney

Signature: 

Date: 11-14-23

Garrett County Schools

			PURCHASED			LEASED					
			Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/ Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/ Local Exp.	Lease Total
Digital Learning Devices											
Students	laptops			-				-			
		tablets		-				-			
		Chromebooks	900	240,300.00	240,300.00			-			
		Other		-				-			
	Teachers	laptops	126	100,164.96	100,164.96			-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops	17	16,271.38	16,271.38			-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
	Connectivity Devices										
Students	Wi-Fi Hotspots		AT&T-3, USC- 2	382.91	382.91			-			
	Services Plans		AT&T- \$15.24, USC- \$29.4	4,594.96	4,594.96			-			
Teachers	Wi-Fi Hotspots			-				-			
	Services Plans			-				-			
Staff	Wi-Fi Hotspots		USC- 1	353.88	353.88			-			
	Services Plans		USC \$29.49	-				-			
Technology Staff											
	FTE	8		777,284.74		777,284.74		-			
	Vendor-supported Staff			-				-			
Items											
	Learning Management System	1		48,173.34	24,086.67	24,086.67		-			
	External Wi-Fi Antennae			-				-			
	Internal Wi-Fi Boosters			-				-			
	System-wide Communication Tool	1		7,521.93	7,521.93			-			
	Other Technology Initiatives**		1- Go Guardian internet Fi	3,500.00	3,500.00			-			
			1- G-Suite Enterprise	19,170.00	19,170.00			-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

Garrett County Schools

		Student/Staff Count as of 9/30/2022	Number with Sytem- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	3495	3495	100.00%
	Teachers	328	328	100.00%
	Staff	286	286	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	3495	3390.15	97.00%
	Teachers	328	262.4	80.00%
	Staff	286	228.8	80.00%

Student, Staff, and teachers were not centrally polled for internet service These numbers are based off the approximations.

		Licences[^]
Supplemental Items	Learning Management System	1
	System-wide Communication Tool*	1
	Other Technology Initiatives**	2

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

Garrett County Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

We do not have a board adopted policy, but below is the model we follow in the 21-22 SY: PK 1:1 on iPad, K-3 1:1 on touchscreen chromebooks, 4-12 1:1 non-touchscreen chromebooks. In the 20-21 SY, we assigned iPads to Kindergarten, rather than touchscreen chromebooks. We switched to chromebooks based off teacher feedback for SY 21-22.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

15%

4. What is the system's Breakage Rate?

8%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment	# Assigned a System-	% Assigned a System-
preK	198	198	100%
K	231	231	100%
1	254	254	100%
2	237	237	100%
3	240	240	100%
4	238	238	100%
5	265	265	100%
6	244	244	100%
7	271	271	100%
8	254	254	100%
9	293	293	100%
10	266	266	100%
11	254	254	100%
12	250	250	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

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(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

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LEA Name: Harford
Contact Person: Andrew Moore
Email Address: drew.moore@hcps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Sean Bulson, Ed.D.

Signature:  Date: 10/9/23

**Annual Technology Report
November 15, 2022**

Harford

			PURCHASED				LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023 Total	FY 2023	FY 2023 State/			
			Quantity	Exp.	Local Exp.	Quantity	Exp.	Federal Exp.	Local Exp.	Lease Total	
Digital Learning Devices	Students	laptops	86	133,361.00	131,462.00	1,899.00	13,500	2,062,125		2,062,125	2,062,125
		tablets		-				-			
		Chromebooks		-			27,000	2,781,787.56			2,781,787.56
		Other		-				-			
	Teachers	laptops	401	354,493.84	21,216.00	333,277.84	2,627	480,034.34		480,034.34	480,034.34
		tablets	10	4,970.00		4,970.00		-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops	76	72,473.70	12,975.72	59,497.98	775	150,543.75		150,543.75	150,543.75
		tablets	7	3,413.00	1,347.00	2,066.00		-			
		Chromebooks	15	5,035.05		5,035.05		-			
		Desktop Computers	288	231,510.00		231,510.00		-			
		Other		-				-			
Connectivity Devices	Students	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans	51	16,782.19		16,782.19		-			
	Staff	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
Information Technology Staff	FTE		51	3,827,209.00		3,827,209.00		-			
	Vendor-supported Staff			-				-			
				-				-			
Supplemental Items	Learning Management System			256,085.00		256,085.00		-			
	External Wi-Fi Antennae			-				-			
	Internal Wi-Fi Boosters			-				-			
	System-wide Communication Tool*							-			
	Blackboard Mass notification			116,945.00		116,945.00		-			
	Other Technology Initiatives**			-				-			
	Follett Asset Management			30,575.94		30,575.94		-			
	Cisco Umbrella Endpoint Filter			76,850.00		76,850.00		-			
	Microsoft Licensing			468,489.00		468,489.00		-			
	Aruba Wireless Annual Maintenance			108,592.00		108,592.00		-			
	Extreme Network Annual Maintenance			136,502.00		136,502.00		-			
	Dell Hardware Support Main-in Service			31,725.00		31,725.00		-			
	Juniper Network Hardware Support			6,584.00		6,584.00		-			
Refresh of Aruba Wireless Access Points			299,755.00		299,755.00		-				

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Harford

		Number with		
		Student/Staff Count as of 9/30/2022	Sytem- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	38037	38037	100.00%
	Teachers	3074	3074	100.00%
	Staff	1073	1073	100.00%

		Number with		
		Student/Staff Count as of 9/30/2022	Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	38037		
	Teachers	3074	* We no longer track this information	
	Staff	1073		

		Tool	Licences^	
			Quantity	Description
Supplemental Items	Learning Management System	Canvas	42188	Licensed per student, all teachers have acces: Component of the microsoft license agreement.
		Microsoft License	4439	Licensed by Microsoft's knowledge worker definition. All students are covered along with staff.
	System-wide Communication Tool*			
	Other Technology Initiatives**	Follett Asset Management system	38037	License per student
		Cisco Umbrella Cloud Security	4030	License per staff, students free

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

^ Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Harford

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Harford continued implementation of a 1:1 policy for the FY23 school year. The implementation maintained a 5-7% overage per school to cover increase in enrollment and break/fix

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A. HCPS has all grades covered

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

6%

4. What is the system's Breakage Rate?

15%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	1101	1101	100%
K	2739	2739	100%
1	2861	2861	100%
2	2785	2785	100%
3	2805	2805	100%
4	2679	2679	100%
5	2816	2816	100%
6	2816	2816	100%
7	2787	2787	100%
8	2945	2945	100%
9	3399	3399	100%
10	2963	2963	100%
11	2678	2678	100%
12	2573	2573	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

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LEA Name: Howard County Public School System
Contact Person: Justin Benedict
Email Address: Justin_Benedict@hcpss.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Michael J. Martirano, Ed.D.

Signature: 

Date: 11/3/2023

**Annual Technology Report
November 15, 2022**

Howard County Public School System

			PURCHASED			LEASED						
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023						
			Quantity	Exp.	Exp.	Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/Local Exp.	Lease Total	
Digital Learning Devices												
Students	laptops	494	594,776.00	-	594,776.00	-	-	-	-	-	-	
		tablets	252	100,800.00	4,400.00	96,400.00	-	-	-	-	-	
			Chromebooks	929	371,600.00	320,400.00	51,200.00	-	-	-	-	-
		Other	1,530	1,737,014.86	1,454,324.21	282,690.65	-	-	-	-	-	
	Teachers	laptops	460	553,840.00	-	553,840.00	-	-	-	-	-	
		tablets	15	6,000.00	-	6,000.00	-	-	-	-	-	
		Chromebooks	30	12,000.00	-	12,000.00	-	-	-	-	-	
		Desktop Computers	-	-	-	-	-	-	-	-	-	
		Other	-	-	-	-	-	-	-	-	-	
	Staff	laptops	202	243,208.00	1,204.00	242,004.00	-	-	-	-	-	
		tablets	5	2,000.00	-	2,000.00	-	-	-	-	-	
		Chromebooks	12	4,800.00	-	4,800.00	-	-	-	-	-	
		Desktop Computers	1	1,135.30	-	1,135.30	-	-	-	-	-	
		Other	-	-	-	-	-	-	-	-	-	
	Connectivity Devices											
	Students	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-	
Services Plans		55	6,600.00	-	6,600.00	-	-	-	-	-		
Teachers	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-		
	Services Plans	-	-	-	-	-	-	-	-	-		
Staff	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-		
	Services Plans	-	-	-	-	-	-	-	-	-		
Information Technology Staff												
FTE	87	-	-	-	-	-	-	-	-	-		
	Vendor-supported Staff	12	-	-	-	-	-	-	-	-		
Supplemental Items												
Learning Management System	335,760.00	-	-	335,760.00	-	-	-	-	-	-		
	External Wi-Fi Antennae	-	-	-	-	-	-	-	-	-		
	Internal Wi-Fi Boosters	-	-	-	-	-	-	-	-	-		
	System-wide Communication Tool*	-	-	-	-	-	-	-	-	-		
	Other Technology Initiatives**	-	-	-	-	-	-	-	-	-		
	Google Enterprise	170,505.00	-	-	170,505.00	-	-	-	-	-		
	Microsoft Suite	836,413.00	-	-	836,413.00	-	-	-	-	-		
	Lightspeed	229,100.00	-	-	229,100.00	-	-	-	-	-		
-												

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Howard County Public School System

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	57676	43744	75.84%
	Teachers	8037	7303	90.87%
	Staff	606	606	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	57676	57,621	99.90%
	Teachers	6660	6660	100.00%
	Staff	606	606	100.00%

Based on Internet Essential active users

Supplemental Items		Licenses[^]
Learning Management System		1 Instructure(Canvas)
System-wide Communication Tool*		1 Google Enterprise
Other Technology Initiatives**		1 Microsoft Suite
		1 Lightspeed

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Howard County Public School System

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Secondary Level 1:1 student to device ratio

Elementary Level see below.

SPED students are provided a device if indicated regardless of level.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

Elementary Level ratio below:

PreK - 1:1

Grades K through 2 - A set of devices equal to the largest prek-2 grade level

Grades 3-5 - 1:2 allocation

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

25%

4. What is the system's Breakage Rate?

22%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	1,451	1,451	100%
K	3,747		
1	4,054		
2	4,062	4,309	36%
3	4,193		
4	4,289		
5	4,275	6,379	50%
6	4,400	4,400	100%
7	4,373	4,373	100%
8	4,416	4,416	100%
9	5,084	5,084	100%
10	4,647	4,647	100%
11	4,279	4,279	100%
12	4,406	4,406	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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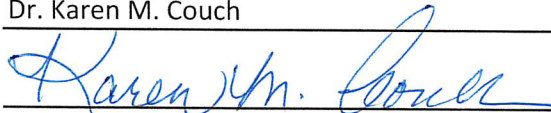
LEA Name: Kent County Public Schools
Contact Person: Alleesa Stewart/William Poore
Email Address: astewart@kent.k12.md.us/wpoore@kent.k12.md.us

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Dr. Karen M. Couch

Signature:  Date: 11/28/2023

**Annual Technology Report
November 15, 2022**

Kent County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/ Local Exp.	Lease Total
Digital Learning Devices	Students	laptops		-				-			
		tablets		-				-			
		Chromebooks	2,183	138,661.33	82,570.00	93,441.33		-			
		Other		-				-			
	Teachers	laptops		-				-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops		-				-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
				-				-			
Connectivity Devices	Students	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Staff	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
			-				-				
Information Technology Staff	FTE		-				-				
	Vendor-supported Staff		-				-				
			-				-				
Supplemental Items	Learning Management System		-				-				
	External Wi-Fi Antennae		-				-				
	Internal Wi-Fi Boosters		-				-				
	System-wide Communication Tool*		-				-				
	Other Technology Initiatives**		-				-				
			-				-				

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Kent County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	1751	1751	100.00%
	Teachers	173	173	100.00%
	Staff	344	344	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	1751	1701	97.14%
	Teachers	173	171	98.84%
	Staff	344	336	97.67%

		Licences[^]
Supplemental Items	Learning Management System	
	System-wide Communication Tool*	
	Other Technology Initiatives**	

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Kent County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Kent County Public Schools has a 1:1 student to device ratio for Pre-K through 12th grade.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A

3. What is the system's overage rate to maintain student to device ratio with minimal disruption? 10%

4. What is the system's Breakage Rate? 45%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	101	101	100%
K	111	111	100%
1	122	122	100%
2	121	121	100%
3	121	121	100%
4	128	128	100%
5	117	117	100%
6	132	132	100%
7	145	145	100%
8	122	122	100%
9	128	128	100%
10	123	123	100%
11	150	150	100%
12	130	130	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance, donna.gunning@maryland.gov.

LEA Name: Montgomery County Public Schools
Contact Person: Stephanie S. Sheron
Email Address: Stephanie_S_Sheron@mcpsmd.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Monifa B. McKnight

Signature:  Date: 11/14/2023

**Annual Technology Report
November 15, 2022**

Montgomery County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/Local Exp.	Lease Total
Digital Learning Devices	Students	laptops	300	329,700.00		329,700.00		-			
		tablets		-				-			
		Chromebooks	45,081	15,733,269.00	542,346.00	15,190,923.00		-			
		Other		-				-			
	Teachers	laptops	911	624,186.00		624,186.00		-			
		tablets		-				-			
		Chromebooks	47	51,870.00		51,870.00		-			
		Desktop Computers	2,238	3,014,301.00		3,014,301.00		-			
		Other		-				-			
	Staff	laptops		-				-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
				-				-			
Connectivity Devices	Students	Wi-Fi Hotspots	6,966	-				-			
		Services Plans	6,966	1,267,148.60	1,267,148.60			-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Staff	Wi-Fi Hotspots	238	-				-			
		Services Plans	238	86,651.04	86,651.04			-			
				-				-			
Information Technology Staff		FTE		-				-			
		Vendor-supported Staff		-				-			
				-				-			
Supplemental Items		Learning Management System	1	859,750.00		859,750.00		-			
		External Wi-Fi Antennae		-				-			
		Internal Wi-Fi Boosters		-				-			
		System-wide Communication Tool	1	412,500.00		412,500.00		-			
		Other Technology Initiatives**		-				-			
				-				-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Montgomery County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	160489	160489	100.00%
	Teachers	13994	13994	100.00%
	Staff	21918	21918	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	160489	160489	100.00%
	Teachers	13994	13994	100.00%
	Staff	21918	21918	100.00%

		Licences[^]
Supplemental Items	Learning Management System	180000
	System-wide Communication Tool*	180000
	Other Technology Initiatives**	

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Montgomery County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Montgomery County Public Schools has a 1:1 policy for both students and staff. For students, the device is a Chromebook, and for staff, the devices vary from Laptop, Desktop and Chromebook, according to job function.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

All grades are included in our 1:1 policy, from Pre-K to 12.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

25%

4. What is the system's Breakage Rate?

9.80%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	4243	4243	100%
K	10602	10602	100%
1	11414	11414	100%
2	11227	11227	100%
3	11520	11520	100%
4	11766	11766	100%
5	11692	11692	100%
6	11747	11747	100%
7	11925	11925	100%
8	12234	12234	100%
9	15301	15301	100%
10	13997	13997	100%
11	10955	10955	100%
12	11866	11866	100%

Education Article §5-212

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 1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
 2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.
- (ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2–1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.
- (iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

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LEA Name: Prince George's County Public Schools

Contact Person: Andrew Zuckerman, Chief Information Officer

Email Address: andrew.zuckerman@pgcps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Millard House II

Signature:  Date: 11-13-23

Prince George's County Public Schools

		PURCHASED			LEASED				
		FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023		FY 2023		
		Quantity	Exp.	Local Exp.	Quantity	Total Exp.	Federal Exp.	State/	Lease
							Local Exp.	Total	
Digital Learning									
Devices	Students	laptops	103	142,652.00		-			
		tablets	1,624	1,138,610.95		-			
		Chromebooks	54,084	18,281,900.90		-			
		Desktops	1,274	2,475,416.72		-			
		Other		-		-			
	Teachers	laptops	800	658,400.00		-			
		tablets		-		-			
		Chromebooks	-	-		-			
		Desktop Computers	-	-		-			
		Other		-		-			
	Staff	laptops	737	849,994.43	61,071.00	788,923.43			
		tablets	528	252,929.16		252,929.16			
		Chromebooks		-		-			
		Desktop Computers	676	514,463.74	-	514,463.74			
		Other		-		-			
				-		-			
Connectivity									
Devices	Students	Wi-Fi Hotspots		-		-			
		Services Plans	33	4,121.58	\$4,121.58				
	Teachers	Wi-Fi Hotspots		-		-			
		Services Plans		-		-			
	Staff	Wi-Fi Hotspots		-		-			
		Services Plans		-		-			
				-		-			
Technology Staff	FTE		190	56,842,707.00		56,842,707.00			
	Vendor-supported Staff			-		-			
				-		-			
Items	Learning Management System - Ca		1	584,550.00	\$584,550.00				
	External Wi-Fi Antennae			-		-			
	Internal Wi-Fi Boosters			-		-			
	System-wide Communication Tool*			136,000.00		136,000.00			
	Other Technology Initiatives**			-		-			
	**CatchOn Student Module			98,212.00	\$98,212.00				
Digital Learning	EdPuzzle			123,500	123,500				
	Hapara, Inc.			335,000	335,000				
	Tools for Schools-Book Creator			120,000	120,000				
	Pear Deck			218,148	218,148				
	Nearpod			499,576	499,576				
	America (Zoom)			160,920	160,920				
	Notable, Inc Kami			182,500	182,500				
	SMART Learning Suite)			52,712	52,712				
	n2grate - WebEx			29,860	29,860				
	Adobe Creative Suite			81,812	81,812				

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

Prince George's County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	128910	120315	93.33%
	Teachers	10718	10718	100.00%
	Staff	7292	5189	71.16%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	128910	128,877	99.97%
	Teachers	10718	10718	100.00%
	Staff	7292	7292	100.00%

			Licences^
Supplemental Items	Learning Management System		District
	System-wide Communication Tool*		District
	Other Technology Initiatives**		

Digital Learning Tools	EdPuzzle	District
	Hapara, Inc.	District
	Tools for Schools-Book Creator	District
	Pear Deck	District
	Nearpod	District
	(Zoom)	District
	Notable, Inc Kami	District
	AVI-SMART	District
	n2grate - WebEx	District
Adobe Creative Cloud	18,000 Student Licenses	

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

^ Quantity of licenses for supplemental items

Prince George's County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

PGCPS is a 1-to-1 school system. Through the school system's strategic plan and operating budget, PGCPS has defined itself as a 1-to-1 district and has built a student technology refresh plan for the next 10 years around being a 1-to-1 district. The 1-to-1 program in PGCPS is designed so that every student in PGCPS has access to a school system mobile computer that is less than four years old, and computers will be refreshed on a 4 year cycle. Despite having access to a mobile computer, a student may not have a specific device assigned to them in the PGCPS asset management system for one of several reasons: 1) A student/family has elected to bring their own device to school, 2) A student has damaged their device and the device has been unassigned and

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A. Every grade level is included.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

15%

4. What is the system's Breakage Rate?

10%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment	# Assigned to System	% Assigned to System
preK	5196	4457	86%
K	8761	8172	93%
1	9684	9014	93%
2	9008	8529	95%
3	9443	8986	95%
4	9417	8891	94%
5	9545	9067	95%
6	9534	9047	95%
7	9660	9163	95%
8	9809	9208	94%
9	12333	11107	90%
10	9937	9236	93%
11	7352	6834	93%
12	9231	8604	93%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

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LEA Name: Queen Anne's County Public Schools
Contact Person: Josh Combs
Email Address: josh.combs@qacps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Dr. Patricia W. Saelens

Signature: 

Date: 11/14/2023

**Annual Technology Report
November 15, 2022**

Queen Anne's County Public Schools

			PURCHASED			LEASED				
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023				
			Quantity	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	State/Local Exp.	Lease Total
Digital Learning Devices										
	Students	laptops		-			-			
		tablets		-			-			
		Chromebooks		-			-			
		Other		-			-			
	Teachers	laptops		-			-			
		tablets		-			-			
		Chromebooks		-			-			
		Desktop Computers		-			-			
		Other		-			-			
	Staff	laptops		-			-			144,071.64
		tablets		-			-			
		Chromebooks		-			-			
		Desktop Computers		-			-			
		Other		-			-			
				-			-			
Connectivity Devices										
	Students	Wi-Fi Hotspots	41	7,380.00	7,380.00		-			
		Services Plans		-			-			
	Teachers	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
	Staff	Wi-Fi Hotspots		-			-			
		Services Plans		-			-			
				-			-			
Information Technology Staff										
		FTE	10	-			-			
		Vendor-supported Staff		-			-			
				-			-			
Supplemental Items										
		Learning Management System		45,877.72	45,877.72		-			
		External Wi-Fi Antennae		-			-			
		Internal Wi-Fi Boosters		-			-			
		System-wide Communication Tool*		10,137.75	10,137.75		-			
		Other Technology Initiatives**		25,000.00	25,000.00		-			
				-			-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Queen Anne's County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	7385	7128	96.52%
	Teachers	575	575	100.00%
	Staff	362	152	41.99%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	7385	6351	86.00%
	Teachers	575	552	96.00%
	Staff	362	337	93.09%

Supplemental Items			<u>Licences[^]</u>
Learning Management System	Schoology		District
System-wide Communication Tool*	School Messenger		District
Other Technology Initiatives**	Zoom		1,000

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Queen Anne's County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

We have a 1:1 ratio from grades K - 12. Grades K-8 are using Chromebooks. Grades 9-12 are using Windows laptops.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

All grades have a 1:1 ratio except for Pre-K.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

4. What is the system's Breakage Rate?

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	257	0	0%
K	496	496	100%
1	546	546	100%
2	499	499	100%
3	511	511	100%
4	493	493	100%
5	510	510	100%
6	582	582	100%
7	497	497	100%
8	595	595	100%
9	642	642	100%
10	649	649	100%
11	576	576	100%
12	532	532	100%

Annual Technology Report November 15, 2023

Education Article §5-212

- (3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:
 1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
 2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.
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LEA Name: St. Mary's County Public Schools

Contact Person: David Howard & Tammy McCourt

Email Address: dlhoward@smcps.org tsmccourt@smcps.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the atual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: J. Scott Smith

Signature:  _____ Date: 11/9/2023

Annual Technology Report November 15, 2023

St. Mary's County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023	FY 2023 State/	FY 2023	FY 2023	FY 2023	FY 2023		
			Exp.	Federal Exp.	Local Exp.	Total Exp.	Federal Exp.	State/	Local Exp.	Lease	
			Quantity			Quantity				Total	
Digital Learning Devices	Students	laptops	5,279	2,684,555.27	2,089,171.07	595,384.20	-	-	-	-	-
		tablets	2,440	993,398.00	993,398.00	-	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Other (Desktop Computers)	40	14,155.60	-	14,155.60	-	-	-	-	-
	Teachers	laptops	3	3,895.92	-	3,895.92	-	-	-	-	-
		tablets	-	-	-	-	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Desktop Computers	55	28,420.78	-	28,420.78	-	-	-	-	-
	Staff	Other	-	-	-	-	-	-	-	-	-
		laptops	59	84,629.08	57,991.45	26,637.63	-	-	-	-	-
		tablets	17	8,233.00	-	8,233.00	-	-	-	-	-
		Chromebooks	-	-	-	-	-	-	-	-	-
		Desktop Computers	15	23,410.24	2,799.96	20,610.28	-	-	-	-	-
		Other	-	-	-	-	-	-	-	-	-
	Connectivity Devices	Students	Wi-Fi Hotspots	-	-	-	-	-	-	-	-
Services Plans			-	-	-	-	-	-	-	-	
Teachers		Wi-Fi Hotspots	-	-	-	-	-	-	-	-	
		Services Plans	-	-	-	-	-	-	-	-	
Staff		Wi-Fi Hotspots	1	480.00	-	480.00	-	-	-	-	
		Services Plans	-	-	-	-	-	-	-	-	
Information Technology Staff	FTE	31	2,883,945.52	243,571.10	2,640,374.42	-	-	-	-		
	Vendor-supported Staff	3	44,437.57	-	44,437.57	-	-	-	-		
		-	-	-	-	-	-	-	-		
Supplemental Items	Learning Management System	2	243,958.00	-	243,958.00	-	-	-	-		
	External Wi-Fi Antennae	-	-	-	-	-	-	-	-		
	Internal Wi-Fi Boosters	-	-	-	-	-	-	-	-		
	System-wide Communication Tool*	1	23,000.00	-	23,000.00	-	-	-	-		
	Raptor	1	56,920.00	-	56,920.00	-	-	-	-		
	google premium	1	3,360.00	-	3,360.00	-	-	-	-		
	zoom	1	24,565.92	24,565.92	-	-	-	-	-		
	Other Technology Initiatives**	-	-	-	-	-	-	-	-		

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

Annual Technology Report November 15, 2023

St. Mary's County Public Schools

		Student/Staff Count as of 9/30/2022	Number with Sytem- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	17493	17493	100.00%
	Teachers	1579	1579	100.00%
	Staff	673	673	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	17493	17318	99.00%
	Teachers	1579	1563	99.00%
	Staff	673	666	99.00%

Supplemental Items		<u>Licences^</u>
Learning Management System		
System-wide Communication Tool*		
Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.
 ** Include a description of each initiative
 ^ Quantity of licenses for supplemental items

Annual Technology Report November 15, 2023

St. Mary's County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

St. Mary's County School Public School's policy for 1:1 student to device ratio is as follows: A laptop is allocated for every student K-12 for instructional use. PreK is issued a Apple iPad. Students can also bring their own device and use our BYOD network. However, for state assessments, student must use one of the SMCPs-owned laptops.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A all grades levels are 1:1.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

4.00%

4. What is the system's Breakage Rate?

25.70%

3186 dell tech tickets
 730 in-house screen replacements
 587 keyboard in-house replacements
 4503

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System- purchased Device
preK	633	633	100%
K	1143	1143	100%
1	1232	1232	100%
2	1286	1286	100%
3	1254	1254	100%
4	1267	1267	100%
5	1256	1256	100%
6	1279	1279	100%
7	1317	1317	100%
8	1326	1326	100%
9	1547	1547	100%
10	1468	1468	100%
11	1211	1211	100%
12	1274	1274	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

(3) (i) On or before November 15 each year, each county board shall submit a report to the Department detailing, for the previous fiscal year:

1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

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LEA Name: Somerset County Public Schools

Contact Person: Jon Berlin

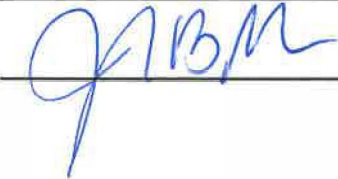
Email Address: jberlin@somerset.k12.md.us

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Dr. John B. Gaddis

Signature:  Date: 11/14/23

Somerset County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	FY 2023 State/	Lease
									Local Exp.	Total	
Digital Learning Devices											
	Students	laptops	1,555	886,921.05	883,629.50	3,291.55		-			
		tablets	220	64,680.00	58,800.00	5,880.00		-			
		Chromebooks		-				-			
		Other	60	37,163.50		37,163.50		-			
	Teachers	laptops	65	95,634.65	82,421.35	13,213.30		-			
		tablets	6	1,794.00		1,794.00		-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops	6	8,479.94		9,479.94		-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers	40	29,164.40		29,164.40		-			
		Other		-				-			
				-				-			
Connectivity Devices											
	Students	Wi-Fi Hotspots		-				-			
		Services Plans	480	8,640.00		8,640.00		-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Staff	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
				-				-			
Information Technology Staff											
		FTE	13	774,416.00	229,931.00	544,485.00		-			
		Vendor-supported Staff		-				-			
				-				-			
Supplemental Items											
		Learning Management System		-				-			
		External Wi-Fi Antennae		-				-			
		Internal Wi-Fi Boosters		-				-			
		System-wide Communication Tool*	1	6,000.00		6,000.00		-			
		Other Technology Initiatives**		-				-			
				-				-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

Somerset County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	2716	2716	100.00%
	Teachers	300	300	100.00%
	Staff	275	200	72.73%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	2716	2510	94.90%
	Teachers	300	250	92.00%
	Staff	275	220	90.00%

Supplemental Items		Licences[^]
Learning Management System System-wide Communication Tool* Other Technology Initiatives**	Apptegy Thrillshare	100% No individual license count

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

We provide each student in grades PreK3-1st grade an Apple iPad. We provide every student grades 2nd-12th a Windows laptop.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

10%

4. What is the system's Breakage Rate?

3.00%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System- purchased Device	% Assigned a System- purchased Device
preK	149	149	100%
K	192	192	100%
1	201	201	100%
2	217	217	100%
3	212	212	100%
4	217	217	100%
5	184	184	100%
6	205	205	100%
7	192	192	100%
8	206	206	100%
9	251	251	100%
10	173	173	100%
11	168	168	100%
12	149	149	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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LEA Name: Talbot County Public Schools
Contact Person: Steve Wilson (IT Director) Sarah Jones (CFO)
Email Address: swilson@talbotschools.org sarah.jones@talbotschools.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Sharon Pepukayi Ed.D.

Signature: 

Date: 11/15/23

**Annual Technology Report
November 15, 2022**

Talbot County Public Schools

			PURCHASED			LEASED					
			Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/ Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/ Local Exp.	Lease Total
Digital Learning Devices	Students	laptops	451	353,309.80	318,455.54	34,854.26		-			
		tablets	828	400,812.51	362,186.04	38,626.47		-			
		Chromebooks	-	-				-			
	Teachers	Other Desktops	50	65,010.00	24,840.00	40,170.00		-			
		laptops	99	77,555.81	69,904.87	7,650.94		-			
		tablets	82	39,694.00	35,868.67	3,825.33		-			
		Chromebooks	-	-				-			
		Desktop Computers	-	-				-			
		Other	-	-				-			
	Staff	laptops	1	783.39	706.11	77.28		-			
		tablets	30	19,846.99	17,934.33	1,912.66		-			
		Chromebooks	-	-				-			
		Desktop Computers	-	-				-			
		Other	-	-				-			
				1,541	957,012.50	829,895.56	127,116.94				
Connectivity Devices	Students	Wi-Fi Hotspots	25	1,500.00	1,500.00						
		Services Plans	492	88,692.17	88,692.17						88,512.17
	Teachers	Wi-Fi Hotspots									
		Services Plans	4	720.00	720.00						
	Staff	Wi-Fi Hotspots									
		Services Plans	1	180.00	180.00						
				91,092.17	91,092.17						
Information Technology Staff	FTE		10	-							
	Vendor-supported Staff			-							
Supplemental Items	Learning Management System			20,609.19	20,609.19						
	External Wi-Fi Antennae			-							
	Internal Wi-Fi Boosters			-							
	System-wide Communication Tool*			10,626.00	10,626.00						
	Other Technology Initiatives**		60	14,379.81	14,379.81						
					45,615.00	45,615.00					

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Talbot County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	4522	4522	100.00%
	Teachers	381	381	100.00%
	Staff	327		0.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	4522		0.00%
	Teachers	381	375	98.43%
	Staff	327		0.00%

			Licenses[^]
Supplemental Items	Learning Management System	Frog Learn	5000
	System-wide Communication Tool*	ZOOM	500
	Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Talbot County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

There is no formal policy - only our practice - TCPS started a 1:1 device program in FY 2006 for 9th grade students and added a grade each year.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

Currently it is our practice that all PK-12 student have a device: PK-8 have an iPad with a protective case and keyboard. Students in grades 9-12 have a laptop with a protective case. Student in grades 6-12 participate in a take home program. PK-5 keep their assigned devices on a charging station in the classroom unless required for remote synchronous or asynchronous instruction.

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

3%

4. What is the system's Breakage Rate?

8%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	291	291	100%
K	336	336	100%
1	316	316	100%
2	272	272	100%
3	315	315	100%
4	294	294	100%
5	316	316	100%
6	289	289	100%
7	312	312	100%
8	326	326	100%
9	434	434	100%
10	382	382	100%
11	341	341	100%
12	298	298	100%
	4522		

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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LEA Name: Washington County Public Schools
Contact Person: Joseph Allen, Executive Director, Technology
Email Address: Allenjos@wcps.k12.md.us

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Dr. David Sovine

Signature:  Date: 11/14/23

**Annual Technology Report
November 15, 2022**

Washington County Public Schools

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	FY 2023 State/Local Exp.	Lease Total
Digital Learning Devices											
	Students	laptops		-				-			
		tablets		-				-			
		Chromebooks ***	7,614	3,090,903.30	\$1,127,994.26	\$1,962,909.04		-			
		Other	61	89,519.00	81,150.00	\$8,369.00		-			
	Teachers	laptops	525	513,975.00		\$513,975.00		-			
		tablets		-				-			
		Chromebooks ***	486	197,291.70	\$71,999.63	\$125,292.07		-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops	40	46,000.00		\$46,000.00		-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers	50	39,450.00		\$39,450.00		-			
		Other		22,280.00		\$22,280.00		-			
				-				-			
Connectivity Devices											
	Students	Wi-Fi Hotspots		-				-			
		Services Plans	30	14,586.00		14,586.00		-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Staff	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
				-				-			
Information Technology Staff											
		FTE	46	3,484,124.80	775,005.43	2,709,119.37		-			
		Vendor-supported Staff		-				-			
				-				-			
Supplemental Items											
		Learning Management System	36,960	80,640.00		\$80,640.00		-			
		External Wi-Fi Antennae		-				-			
		Internal Wi-Fi Boosters		-				-			
		System-wide Communication Tool*		-				-			
		Finalsite Connect (Formerly Blackboard Connect)	22,500	73,062.60		\$73,062.60		-			
		Remind Hub		84,876.98	\$84,876.98			-			
		Other Technology Initiatives**		-				-			
		Projectors (including contractor installation costs)	499	425,852.86		\$425,852.86		-			
		Device Cases	1,000	21,950.00		\$21,950.00		-			

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

*** Included ECF/ERate expenditures for Chromebooks, so as to accurately capture the unit cost per Chromebook. 94% of this spend was allocated to Students, 6% to Teachers.

**Annual Technology Report
November 15, 2022**

Washington County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	22297	22297	100.00%
	Teachers	1518	1518	100.00%
	Staff	1833	1313	71.63%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home***	Students	22297	20185	90.53%
	Teachers	1518	1518	100.00%
	Staff	1833	1833	100.00%

			Licences^
Supplemental Items	Learning Management System	GSuite Enterprise for Education	39600
	System-wide Communication Tool*	Finalsite Connect (Formerly Blackboard Connect)	22500
		Remind Hub	
	Other Technology Initiatives**		
	Projectors		499
	Device Cases		1,000

***WCPS does not have detailed information on Adequate Connectivity at Home, these numbers are based on historical information

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

^ Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Washington County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

For the 2022-2023 school year WCPS was 1:1 PreK-12. Secondary students were issued a ChromeBook and primary/elementary students were issued either a ChromeBook or an iPad. The 2022-2023 school year was a transitional year where a portion of the primary/elementary schools used ChromeBooks, while other primary/elementary schools used iPads

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A - For the 2022-2023 school year the 1:1 student to device ration policy included all students

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

5.50%

4. What is the system's Breakage Rate?

16%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	1053	1053	100%
K	1488	1488	100%
1	1600	1600	100%
2	1547	1547	100%
3	1607	1607	100%
4	1647	1647	100%
5	1570	1570	100%
6	1648	1648	100%
7	1607	1607	100%
8	1648	1648	100%
9	1892	1892	100%
10	1883	1883	100%
11	1621	1621	100%
12	1486	1486	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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LEA Name: Wicomico County Public Schools
Contact Person: Jesse Reid
Email Address: jreid@wcboe.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Micah C. Stauffer, Ed.D.

Signature:  Date: 11/15/2023

**Annual Technology Report
November 15, 2022**

Wicomico County Public Schools

			PURCHASED			LEASED					
			Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/Local Exp.	Quantity	FY 2023 Total Exp.	FY 2023 Federal Exp.	FY 2023 State/Local Exp.	Lease Total
Digital Learning Devices	Students	laptops	3,756			2,895,354.00					
		tablets	562	293,772.00	133,864.00	159,908.00					
		Chromebooks	-	-							
		Other	-	-							
	Teachers	laptops	165	179,000.00		179,000.00					
		tablets	-	-							
		Chromebooks	-	-							
		Desktop Computers	-	-							
	Staff	Other	-	-							
		laptops	4			8,500.00					
		tablets	-	-							
		Chromebooks	-	-							
		Desktop Computers	-	-							
		Other	-	-							
		-	-								
		-	-								
Connectivity Devices	Students	Wi-Fi Hotspots		1.00		480.00					
		Services Plans		-							
	Teachers	Wi-Fi Hotspots		-							
		Services Plans		-							
	Staff	Wi-Fi Hotspots		29.00		18,000.00					
		Services Plans		-							
Information Technology Staff	FTE	27	1,899,868,992.00								
	Vendor-supported Staff		-								
			-								
Supplemental Items	Learning Management System	1	30,230.89								
	External Wi-Fi Antennae	4	4,000.00		4,000.00						
	Internal Wi-Fi Boosters	500	280,000.00	280,000.00							
	System-wide Communication Tool*										
	Apptegy Communication	1	55,000.00		55,000.00						
	Other Technology Initiatives**										
	Laptop Cases for Middle Schools	3,000			75,000.00						

* list communication tools separately; add lines as necessary.
** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Wicomico County Public Schools

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	14900	14900	100.00%
	Teachers	1360	1360	100.00%
	Staff	1080	1080	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	14900	14900	100.00%
	Teachers	1360	1360	100.00%
	Staff	1080	1080	100.00%

			Licences[^]
Supplemental Items	Learning Management System		983
	System-wide Communication Tool*		
	Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Wicomico County Public Schools

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

Wicomico County Public Schools has a 1:1 device initiative. It spans grades PreK-12. With the exception of PreK-K, each student is assigned a device in their name for use throughout the school year. PreK are pooled in carts in each classroom, not assigned to a student by name. WCPS also has a fleet of Apple iPads for assessments and to supplement instruction in the PreK-3 grades and SPED.

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

2%

4. What is the system's Breakage Rate?

30%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	777	777	100%
K	1101	1101	100%
1	1200	1200	100%
2	1137	1137	100%
3	1146	1146	100%
4	1180	1180	100%
5	1021	1021	100%
6	986	986	100%
7	1078	1078	100%
8	1034	1034	100%
9	1288	1288	100%
10	1137	1137	100%
11	917	917	100%
12	898	898	100%

**Annual Technology Report
November 15, 2023**

Education Article §5-212

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1. the amount spent by the local school system on technology disaggregated by digital devices, connectivity, and information technology staff; and
2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2-1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Please return this completed file, with signatures, to MSDE by **November 15, 2023**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance, donna.gunning@maryland.gov.

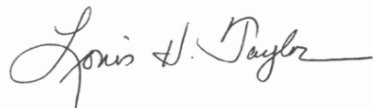
LEA Name: Worcester County Board of Education
Contact Person: Dr. Stephen O. Agyei-Mensah
Email Address: soagyeimensah@worester.k12.org

Certification Statement

I hereby certify that the technology expenditure and usage data contained in this report for FY 2023 is based on actual purchases of and the actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Louis H. Taylor



Signature: _____ Date: 11/15/2023

**Annual Technology Report
November 15, 2022**

Worcester County Board of Education

			PURCHASED				LEASED			
			FY 2023 Total	FY 2023	FY 2023 State/	FY 2023 Total	FY 2023	FY 2023 State/		
			Quantity	Exp.	Local Exp.	Quantity	Exp.	Local Exp.	Lease Total	
Digital Learning Devices	Students	laptops	18	20,304.00		20,304.00	-			
		iPads	235	90,756.55	57,818.55	32,938.00	7,180	527,730.00	527,730.00	2,110,920.00
				-				-		
	Teachers	Desktop Computers	19	22,705.00		22,705.00		-		
		laptops	3	2,982.00		2,982.00		-		
		iPads		-			1,570	174,270.00	174,270.00	697,080.00
		Apple TV	12	1,588.00	1,588.00		16	716.00	716.00	2,864.00
		Desktop Computers	7	5,148.00		5,148.00		-		
		MacBooks	35	43,555.00	26,138.00	17,417.00	630	166,792.00	166,792.00	667,170.00
		iMacs	50	109,850.79	84,434.79	25,416.00	125	67,470.00	67,470.00	269,880.00
	Staff	laptops		-				-		
		tablets		-				-		
		Chromebooks	-	-				-		
		Desktop Computers		-				-		
		Monitors	110	30,599.00	28,000.00	2,599.00		-		
		iPad Services						15,108.75	15,108.75	60,435.00
		Mac Services		-				132,886.00	132,886.00	531,544.00
Connectivity Devices	Students	Wi-Fi Hotspots		-				-		
		Services Plans	450	-				-		T-Mobile Project 10million
	Teachers	Wi-Fi Hotspots	-	-				-		
		Services Plans	-	-				-		
	Staff	Wi-Fi Hotspots	-	-				-		
		Apple Care	79	23,995.00	19,014.00	4,981.00	8,766	107,303.50	107,303.50	429,214.00
		JAMF (Device Management)	266	4,916.50	4,833.50	83.00	16,666	25,513.75	25,513.75	102,055.00
Information Technology Staff	FTE		19	1,141,727.00		1,141,727.00		-		
	Vendor-supported Staff			-				-		
				-				-		
Supplemental Items		Learning Management System		-				-		Schoology
		External Wi-Fi Antennae	7	453,000.00		453,000.00		-		Distributed Antenna Systems
		Internal Wi-Fi Boosters		-				-		
		System-wide Communication Toc	8,100	103,666.20	103,666.20			-		Microsoft Teams as part of Office 365 A5
		Other Technology Initiatives**	1	2,650.00	530.00	2,120.00		-		6GB of internet bandwidth added
								-		
									\$835,533	\$4,871,162

* list communication tools separately; add lines as necessary.
** Include a description of each initiative

**Annual Technology Report
November 15, 2022**

Worcester County Board of Education

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	6885	6885	100.00%
	Teachers	726	726	100.00%
	Staff	445	445	100.00%

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	6885	4611	66.97%
	Teachers	726	726	100.00%
	Staff	445	445	100.00%

			<u>Licenses[^]</u>
Supplemental Items	Learning Management System	6885	6500
	System-wide Communication Tool*	8100	8100
	Other Technology Initiatives**	10914	10914

We have 6,500 seats/licenses for students. We don't pay for licenses for PreK, K, 1, & 2. Seats/licenses are bought in ..
Microsoft Teams
JAMF Mobile Device Manager

* list communication tools separately; insert lines as necessary.

** Include a description of each initiative

[^] Quantity of licenses for supplemental items

**Annual Technology Report
November 15, 2022**

Worcester County Board of Education

ACCESS Questions:

1. Does the school system have a 1:1 student to device ratio policy? Please explain the system's student to device ratio policy in the space below.

In Worcester County Public Schools, in FY 23 each student was issued an iPad throughout all grade levels (PreK - 12).

2. If the system has a 1:1 student to device ratio policy and it does not include all students, what grade bands are included in the policy?

N/A

3. What is the system's overage rate to maintain student to device ratio with minimal disruption?

10%

4. What is the system's Breakage Rate?

3.12%

ACCESS Questions - Page Two:

Regardless of the System's 1:1 student to device ratio policy, please complete the table below. This data will feed the tables in the Usage Tab.

Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	488	488	100%
K	464	464	100%
1	398	398	100%
2	485	485	100%
3	440	440	100%
4	504	504	100%
5	471	471	100%
6	454	454	100%
7	525	525	100%
8	533	533	100%
9	563	563	100%
10	530	530	100%
11	543	543	100%
12	487	487	100%

Annual Technology Report

§5-212 of the Education Article established an Annual Technology Report, which requires local school systems to submit expenditure and use data for specific technology items. The required elements are devices for students, teachers, and staff, adequate connectivity in the home for students, teachers, and staff, and expenditures for devices, adequate connectivity, and information technology staff. MSDE prepared this data collection guidance and the corresponding reporting template for local school systems to use in submitting the required data, which is due by November 15, 2023. Reports should be submitted to Donna Gunning, Senior Executive Director, Office of Policy Analysis and Fiscal Compliance. Please note, this is the statutory deadline.

The guidance document and the reporting template include supplemental elements. The supplemental elements include expenditures for learning management systems, system-wide communication tools, large-scale wireless access points, and other technology initiatives implemented in support of ensuring student access to instruction during the 2022-2023 school year.

Reporting Timeline

November 15th – Local School System template due to MSDE

December 15th – Maryland State Department of Education (MSDE) submits report based on local school system data to the Governor and the General Assembly.

Reporting Period

Expenditures - FY23

Usage - School year 2022-2023

Citation

Education Article §5-212

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2. the percentage of students, teachers, and staff with digital devices and adequate connectivity in their homes in accordance with the federal communications commission standards for broadband.

(ii) on or before December 15 each year, the Department shall submit to the General Assembly, in accordance with §2–1257 of the State Government Article, a compilation of the reports submitted to the Department under subparagraph (i) of this paragraph.

(iii) on or before September 1, 2021, the Department shall establish uniform reporting requirements, including definitions to ensure that consistent and comparable reports are submitted under subparagraph (i) of this paragraph.

Report Template

The report template includes four tabs:

- Superintendent's Certification.
- Expenditure data.
- Usage data; and
- System's device policy and student level data.

The focus of the remainder of this guidance will be tabs two through four.

EXPENDITURES Tab

Local school systems should report the actual FY 2021 expenditures, from all sources, by item identified in the template.

Digital devices - Report the quantity and total expenditures for each type of digital device separately for students, teachers, and all other staff, disaggregated by source of funds, federal or State/local. The disaggregated expenditures for devices should be separated by purchased devices and leased devices. For leased items, please include the amount leased in 2023 and the total amount of the lease.

Connectivity devices - Report the quantity and total expenditures for each type of device and service plan separately for students, teachers, and all other staff, disaggregated by source of funds, federal or State/local.

Technology Staff - Report FTE and vendor-supported staff separately for the 2022-2023 school year. Do not include fringe benefits.

Supplemental Items - Report the quantity and total expenditures for all supplemental items including learning management systems, system-wide communication tools disaggregated by tool, large-scale wireless access points disaggregated by external antennae and internal boosters, and other technology initiatives implemented in support of ensuring access to instruction during the 2022-2023 school year. The expenditure data for these items should also be disaggregated by source of funds, federal or State/local.

USAGE Tab

Local school systems should report information based on the 2022-2023 school year. The student count field is automatically populated with the total student count by grade level in the Device Policy tab (tab #4).

Digital devices - Report the number and percentage of system-purchased digital devices distributed to students, teachers, and instructional staff, separately for each group, during the 2022-2023 school year. Please note, the total number of students with system-purchased devices will auto populate from the grade level data reported in the Device Policy Tab (tab #4).

Adequate Connectivity at Home - Report the number and percent of individuals with adequate connectivity at home as defined by the FCC, disaggregated by students, teachers, and all other staff during the 2022-2023 school year.

Supplemental items - Report the number of licenses for learning management systems, system-wide communication tools disaggregated by tool, and other technology initiatives implemented in support of ensuring access to instruction during the 2022-2023 school year.

DEVICE POLICY Tab

Local school systems should respond to the questions regarding the system's current student to device ratio policy and report the system's 2022-2023 school year grade-level data for student devices. The student count by grade level data is used to populate the student count in the Usage Tab.

DEFINITIONS

Amount Spent

The total amount expended from all fund sources as of the close of the prior fiscal year regardless of whether the expenditure is reported in the Current Expense or School Construction Fund.

Adequate Connectivity at Home

The Federal Communications Commission (FCC) standards for broadband are based on the type of uses and the number of users accessing the internet at the same time. The FCC Broadband Speed Guide indicates students need between 5-25 Mbps. Appendix A includes the matrix as published in the FCC Household Broadband Guide.

Breakage Rate

The breakage rate is the rate at which devices provided to students and staff are returned to the school system due to damage. Breakage rate also includes devices that are lost or stolen.

Connectivity Devices

A device provided by the local school system to access or assist in accessing the internet. This includes an internet hotspot or Wi-Fi devices, larger-scale external wireless access points, or internal Wi-Fi boosters, and service plans to support wireless connectivity.

Digital Devices

A digital device is an electronic device that uses discrete, numerable data and processes for all its operations ([COMAR 13A.06.05.03](#)). Smartphones should not be included as digital devices for the purpose of this report.

Information Technology Staff

Staff assigned to support the school system's information-technology infrastructure. Staff may include help-desk support, device management support, instructional technology support, or other roles in the school system dedicated to supporting the information technology needs of the system. Reported data should include full-time equivalent staff, as well as vendor-supported staff. Vendor-supported staff are contractors, contracted employees, or temporary employees who directly support students, staff, devices, and services.

Mbps

Megabytes per second is the standard measure of download speed. It refers to the speed at which information packets are downloaded from or uploaded to the internet.

Overage Rate

The Overage Rate is the quantity of devices needed to sustain the current device ratio policy with minimal disruption.

Staff

For the FY 2021 report, staff is defined as all staff other than teachers.

Staff devices

Staff devices include the devices identified as student devices as well as desktop computers.

Students

Include all students in grades prekindergarten through grade 12.

Student devices

Student devices include any digital device needed to engage fully in the local school system's learning experience. Digital learning devices include laptops, tablets, or Chromebooks, typically are able to access the internet, the local school system's learning platform and learning management system, or other digital tools necessary in the learning environment.

Teachers

Include all teachers who provide instruction to prekindergarten, kindergarten, grades 1 through 12, or ungraded classes; or who teaches in an environment other than a classroom setting and who maintains daily student attendance records.

Wi-Fi Hotspot (Connectivity Device)

The term hotspot is synonymous with wireless internet access. A hotspot or Wi-Fi access point is a networking device that obtains internet access and allows wireless mobile devices to communicate with each other via a wireless local area network using a modem or wireless router that is connected to an ISP. Wi-Fi or Mi-Fi devices require a service plan, which operates similarly to cell phone data plans.

Federal Communications Commission Household Broadband Guide

	Light Use (Basic functions: email, browsing, basic video, VoIP, Internet radio)	Moderate Use (Basic functions plus <i>one</i> high-demand application: streaming HD video, multiparty video conferencing, online gaming, telecommuting)	High Use (Basic functions plus <i>more than one</i> high-demand application running at the same time)
1 user on 1 device	Basic	Basic	Medium
2 users or devices at a time	Basic	Medium	Medium/Advanced
3 users or devices at a time	Medium	Medium	Advanced
4 users or devices at a time	Medium	Advanced	Advanced

Basic Service = 3 to 8 Mbps*

Medium Service = 12 to 25 Mbps

Advanced Service = More than 25 Mbps

*Mbps (Megabits per second) is the standard measure of broadband speed. It refers to the speed with which information packets are downloaded from, or uploaded to, the internet.

Resources

[Household Broadband Guide](#)

[Broadband Speed Guide](#)

[Student Access to Digital Learning Resources Outside of the Classroom-Executive Summary](#)

[Home Digital Access Data Collection Blueprint for State Education Leaders](#)

[How K–12 Schools Can Measure Ed Tech ROI](#)

**Annual Technology Report
November 15, 2023**

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LEA Name: _____

Contact Person: _____

Email Address: _____

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Superintendent of Schools:

Printed Name: _____

Signature: _____

Date: _____

**Annual Technology Report
November 15, 2023**

0

			PURCHASED			LEASED					
			FY 2023 Total	FY 2023 Federal	FY 2023 State/	FY 2023					
			Quantity	Exp.	Local Exp.	Quantity	Total Exp.	FY 2023 Federal Exp.	State/	Lease	
									Local Exp.	Total	
Digital Learning Devices	Students	laptops		-							
		tablets		-							
		Chromebooks		-							
		Other		-							
	Teachers	laptops		-							
		tablets		-							
		Chromebooks		-							
		Desktop Computers		-							
	Staff	laptops		-							
		tablets		-							
		Chromebooks		-							
		Desktop Computers		-							
			Other		-						
					-						
	Connectivity Devices	Students	Wi-Fi Hotspots		-						
Services Plans				-							
Teachers		Wi-Fi Hotspots		-							
		Services Plans		-							
Staff		Wi-Fi Hotspots		-							
		Services Plans		-							
					-						
					-						
Information Technology Staff		FTE		-							
		Vendor-supported Staff		-							
				-							
Supplemental Items		Learning Management System		-							
		External Wi-Fi Antennae		-							
		Internal Wi-Fi Boosters		-							
		System-wide Communication Tool*		-							
		Other Technology Initiatives**		-							
				-							

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2023**

0

		Student/Staff Count as of 9/30/2022	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	0	0	#DIV/0!
	Teachers			#DIV/0!
	Staff			#DIV/0!

		Student/Staff Count as of 9/30/2022	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	0		#DIV/0!
	Teachers			#DIV/0!
	Staff			#DIV/0!

Supplemental Items			Licences[^]
	Learning Management System		
	System-wide Communication Tool*		
	Other Technology Initiatives**		

* list communication tools separately; insert lines as necessary.

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**Annual Technology Report
November 15, 2023**

0

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Grade	Student Enrollment 9/30/2022	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK			#DIV/0!
K			#DIV/0!
1			#DIV/0!
2			#DIV/0!
3			#DIV/0!
4			#DIV/0!
5			#DIV/0!
6			#DIV/0!
7			#DIV/0!
8			#DIV/0!
9			#DIV/0!
10			#DIV/0!
11			#DIV/0!
12			#DIV/0!