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, 2021**. 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: **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 2021 is based on actual purchases of and the atual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Boyd Michael

Signature: _____ Date: 11/15/2021

			Quantity	FY 2021 Total Exp.	FY 2021 Federal Exp.	FY 2021 State/Local Exp.	Quantity	FY 2021 Total Exp.	FY 2021 Federal Exp.	FY 2021 State/Local Exp.	Lease Total
				PURCHASED				**LEASED**			
Digital Learning Devices	Students	laptops		-				-			
		tablets	4,000	#############	441,000.00	735,000.00		-			
		Chromebooks	12,232	#############	#############	927,000.00		-			
		Other		-				-			
	Teachers	laptops	1,877	#############	#############			-			
		tablets		-				-			
		Chromebooks	849	281,992.00	281,992.00			-			
		Desktop Computers		-				-			
		Other		-				-			
	Staff	laptops	20	15,500.00		15,500.00		-			
		tablets		-				-			
		Chromebooks		-				-			
		Desktop Computers		-				-			
		Other		-				-			
				-				-			
^Connectivity Devices	Students	Wi-Fi Hotspots	350	350.00		350.00		-			
		Services Plans	350	105,278.00	68,791.00	36,487.00		-			
	Teachers	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
	Staff	Wi-Fi Hotspots		-				-			
		Services Plans		-				-			
				-				-			
Staff		FTE	36	#############		#############		-			
		Vendor-supported Staff		-				-			
				-				-			
Supplemental Items		Learning Management System Google Enterprise for Education	44,000	96,000.00	96,000.00			-			
		System-wide Communication Tool*		-				-			
		Google Voice	2,250	213,030.00	213,030.00						
		Zoom	3,700	37,513.00	37,513.00						
		Other Technology Initiatives**						-			
		EduNet - Home internet for families	1,341	290,813.46	290,813.46			-			
		Microsoft for Virtual Desktop Environment - Additional		122,152.00		122,152.00					
		43" TVs for Classrooms for Distance Learning	1,139	333,919.00		333,919.00					
		Device Cases for iPads and Chromebooks	15,250	263,375.00		263,375.00					
		Device Charging Cords (Chromebooks)	1,550	53,425.00		53,425.00					
		Adapters for Teacher use (USB, HDMI, VGA ect)	4,085	56,224.00		56,224.00					
		Headsets for Teacher Use	1,700	183,600.00		183,600.00					
		Earbuds for Student Use	16,500	85,305.00		85,305.00					
		Chrome Go Boxes	10	11,982.00		11,982.00					
		Apple TVs	400	59,600.00		59,600.00					
		Wireless Keyboards (Teachers)	1,800	46,620.00		46,620.00					
		HuddleCams in the Classroom (Teachers)	1,800	430,412.00	333,200.00	97,212.00					

* list communication tools separately; add lines as necessary.

*Google Voice   Enabled administrators and teachers to contact parents for one to one communication while students were not in the classroom.

*Zoom   Was used for distance learning, licenses enabled additional features to enhance online learning environmnet

** Include a description of each intiative

Edunet - Home Internet for Families	** Home Internet for Families - Edunet Iniative Partnership between WCPS and Antietam Broadband to fund internet services to
43" TVs	43" TVs were provided to teachers to increase their ability to monitor and interact with their students during synchronous distance and hybrid learning
Microsoft Overage for Virtual Desktop Environment	In order to support distance learning for students that required access to applications such as the Microsoft Office
Device Cases for iPads and Chromebooks	New cases to help protect Chromebooks for all secondary students. Additional iPad cases to replace cases that had been lost, or damaged from last school year.
Device Charging Cords	Additional charging cords for student chromebooks and teacher MacBooks.
Adapters for Teacher use (USB, HDMI, VGA ect)	Various adapter and cables to enable teachers to use periphreals while distance learning.
Headsets for Teacher Use	Wireless headphones for teacher use. Enables teacher to move around the classroom with students are engaged in distance learning.
Earbuds for Student Use	For students to use while there is a mixture of student in the classroom and still other using distance learning.
Chrome Go Boxes	Enables the tech department to setup more Chromebooks as a time.
Apple TVs	To enable classrooms to take advantage of latest streaming technologies.
Wireless Keyboards (Teachers)	To enable teachers to move freely around the classroom while teaching remotely
HuddleCams in the Classroom (Teachers)	To enable teachers to move freely around the classroom while teaching remotely

^Connectivity Devices   Purchased ATTMobility Unite2 WiFi Units for $1/unit and $23 for unlimited service (300 Total)

        Purchased Hubbl WiFi Units for $2242 cost of unit/service monthly (50 units)

Digital Learning Devices		Student/Staff Count as of 9/30/2020	Number with Sytem-purchased Devices	% with System-purchased Devices
	Students	21940	21940	100.00%
	Teachers	1,495	1,495	100.00%
	Staff	1,709	1,313	76.83%

Adequate Connectivity at Home		Student/Staff Count as of 9/30/2020	Number with Adequate Connectivity	Percent with Adequate Connectivity
	Students	21940	20249	92.29%
	Teachers	1495	1470	98.33%
	Staff			

Supplemental Items			Licences^	
	Learning Management System	*GSuite Enterprise for Education	44000	Note regarding teacher to student*
	System-wide Communication Tool*	*Google Voice	2250	
		Zoom	3700	

	Other Technology Initiatives**	**EduNet - Home internet for families
		43-in TVs for Classroom
		Microsoft for Virtual Desktop Environment - Additional
		Device Cases for iPads and Chromebooks
		Device Charging Cords for students and teahers
		Adapters for Teacher use (USB, HDMI, VGA ect)
		Headsets for Teacher Use
		Earbuds for Student Use
		Epson Projectors
		Chrome Go Boxes
		Apple TVs
		Wireless Keyboards (Teachers)
		HuddleCams in the Classroom (Teachers)

GSuite Enterprise for Education*   Purchased 4400 License for Teacher and Staff use. Received 40000 Student License at no cost.
* list communication tools separately; insert lines as necessary.
*Google Voice   Enabled administrators and teachers to contact parents for one to one communication while students were not in the
*Zoom   Was used for distance learning, licenses enabled additional features to enhance online learning environmnet
** Include a description of each intiative
**EduNet - Home internet for families   adequate or no internet services in their home   1341 Families served
43-in TVs for Classroom   larger screed while distance learning   1139

Microsoft Virtual Desktop Environment - Additional	CAD, and various Adobe Creative suite applications, that would not run on their take home devices such as iPads and Chromebooks we built a virtual desktop environment in Microsoft Azure. There were utilization based charges for this environment that increased our year over year cost for Azure usage by this amount	
Device Cases for iPads and Chromebooks	for iPads to replace damaged cases from the	15250
Device Charging Cords for students and teahers	To replace charging cords that are damaged or lost	1550
Adapters for Teacher use (USB, HDMI, VGA ect)	while students are distance learning	4085
Headsets for Teacher Use	classroom teaching both in class and remote	1700
Earbuds for Student Use	teaching both in class and remote students	16500
Chrome Go Boxes	fast pace	10
Apple TVs	latest streaming technologies.	400
Wireless Keyboards (Teachers)	classroom while teaching remotely	1800
HuddleCams in the Classroom (Teachers)	classroom while teaching remotely	1800

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.

Washington County Public Schools provides 1:1 devices for all students in grades PreK-12. Students in grades PreK-5 receive iPads, students in 6-12 receive Chromebooks. Each student device is enclosed in a supplied protective case to cut down on accidental damage costs.

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? *5%*

4. What is the system's Breakage Rate?   11%   "1.7% nonrepairable"

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 9/30/202	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	797	797	100%
K	1,428	1,428	100%
1	1,537	1,537	100%
2	1,572	1,572	100%
3	1,493	1,493	100%
4	1,618	1,618	100%
5	1,562	1,562	100%

6	1,631	1,631	100%
7	1,693	1,693	100%
8	1,834	1,834	100%
9	1,817	1,817	100%
10	1,683	1,683	100%
11	1,655	1,655	100%
12	1,620	1,620	100%