

**Annual Technology Report
November 15, 2021**

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.

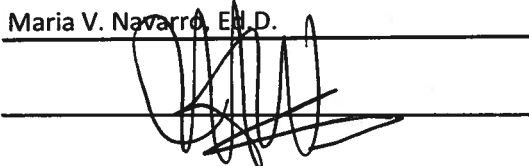
Please return this completed file, with signatures, to MSDE by **November 15, 2021**. The signature page can be scanned and sent via email. The entire workbook should be submitted electronically. Reports and any questions can be directed to Donna Gunning, Executive Director, Office of Policy and Fiscal Analysis, donna.gunning@maryland.gov.

LEA Name: Charles County Public Schools
Contact Person: Lora Bennett 
Email Address: llbennett@ccboe.com

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 actual expenditures for the technology items identified in the report.

Superintendent of Schools:

Printed Name: Maria V. Navarro, Ed.D.
Signature:  Date: 11/15/2021

**Annual Technology Report
November 15, 2021**

Charles County Public Schools

			PURCHASED			LEASED						
			FY 2021 Total	FY 2021 Federal	FY 202 State/	FY 202						
			Quantity	Exp.	Exp.	Local Exp.	Quantity	FY 2021	FY 2021	State/	Lease	
							Total Exp.	Federal Exp.	Local Exp.	Total		
Digital Learning Devices	Students	laptops	16,438	6,488,830.48	5,539,782.25	949,048.23	-	-	-	-	-	
		tablets	336	169,552.15	46,008.25	123,543.9	-	-	-	-	-	
		Chromebooks		-	-	-	-	-	-	-	-	-
		Other		-	-	-	-	-	-	-	-	-
	Teachers	laptops	2,134	63,581.00	39,792.00	23,789.00	-	-	-	-	-	
		tablets	74	45,029.80	45,029.80	-	-	-	-	-	-	
		Chromebooks		-	-	-	-	-	-	-	-	
		Desktop Computers	27	47,034.00	2,268.00	44,766.00	-	-	-	-	-	
		Other		-	-	-	-	-	-	-	-	
	Staff	laptops	999	685,334.87	151,689.87	533,645.00	-	-	-	-	-	
		tablets	13	5,813.35	4,229.50	1,583.85	-	-	-	-	-	
		Chromebooks		-	-	-	-	-	-	-	-	
		Desktop Computers	54	83,174.00	-	83,174.00	-	-	-	-	-	
		Other	1	1,495.00	1,495.00	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-		
Connectivity Devices	Students	Wi-Fi Hotspots	1,600	1,013,322.22	1,013,322.22	-	-	-	-	-		
		Services Plans	-	-	-	-	-	-	-	-	-	
	Teachers	Wi-Fi Hotspots	20	7,200.00	-	7,200.00	-	-	-	-	-	
		Services Plans	-	-	-	-	-	-	-	-	-	
	Staff	Wi-Fi Hotspots	-	-	-	-	-	-	-	-	-	
		Services Plans	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-		
Information Technology Staff	FTE			2,719,478.00	2,719,478.00	-	-	-	-	-		
	Vendor-supported Staff		-	-	-	-	-	-	-	-		

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November 15, 2021**

Supplemental

Items					
	Learning Management System		53,582.00		53,582.00
	External Wi-Fi Antennae	117	399,510.00	397,388.43	2,121.57
	Internal Wi-Fi Boosters		-		-
	System-wide Communication Tool*		-		-
	Zoom		54,150.00		54,150.00
	Other Technology Initiatives**		-		-
			-		-

* list communication tools separately; add lines as necessary.

** Include a description of each initiative

**Annual Technology Report
November 15, 2021**

Charles County Public Schools

		Student/Staff Count as of 9/30/2020	Number with System- purchased Devices	% with System- purchased Devices
Digital Learning Devices	Students	26768	12923	48.28%
	Teachers	1860		0.00%
	Staff	1874	4205	224.39%

Our inventory system does not differentiate teachers from other staff

		Student/Staff Count as of 9/30/2020	Number with Adequate Connectivity	Percent with Adequate Connectivity
Adequate Connectivity at Home	Students	26768	23270	86.93%
	Teachers	1860	1430	76.88%
	Staff	1874		0.00%

We did not survey staff for connectivity last year

Supplemental Items		Licences[^]	
		Student	Staff
Learning Management System			
System-wide Communication Tool*			
Zoom		28000	3467
Other Technology Initiatives**			
			3467

Is not licensed by user

* 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, 2021

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 school year 20-21, we began the process of implementing 1:1 at the secondary level. As high school devices arrived prior to the beginning of school, students were asked to swap or pick up devices prior to school. The middle school devices arrived after school began and students were encouraged to swap out their device or pick one up but it was not mandatory at any 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?

Only middle school and high school so grades 6-12 were included in the newly implemented 1:1 program.

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?

0.073446987

**Annual Technology Report
November 15, 2021**

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 9/30/2020	# Assigned a System-purchased Device	% Assigned a System-purchased Device
preK	729	166	23%
K	1587	324	20%
1	1721	426	25%
2	1834	395	22%
3	1969	542	28%
4	1872	455	24%
5	1963	532	27%
6	2009	774	39%
7	2136	876	41%
8	2233	658	29%
9	2284	2098	92%
10	2235	1955	87%
11	2102	1810	86%
12	2094	1912	91%