CE21-Maryland High School Computer Science Survey (2012)

SurveyMonkey

1. How many students attend your school?

| | How do you identify yourself? (Check all that apply.) | | | | | |
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
1-100	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
101-250	0.0% (0)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	2.4% (2)
251-500	9.1% (1)	0.0% (0)	6.1% (4)	0.0% (0)	25.0% (1)	7.2% (6)
501-1000	27.3% (3)	**33.3% (1)**	15.2% (10)	0.0% (0)	0.0% (0)	16.9% (14)
1001-2000	**45.5% (5)**	33.3% (1)	**66.7% (44)**	0.0% (0)	25.0% (1)	**60.2% (50)**
2001+	18.2% (2)	**33.3% (1)**	9.1% (6)	0.0% (0)	**50.0% (2)**	13.3% (11)
answered question	11	3	66	0	4	83
skipped question						1

2. What percentage of students at your school speak a language at home other than English?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	9.1% (1)	0.0% (0)	6.3% (4)	0.0% (0)	**25.0%** **(1)**	7.4% (6)
1-20%	**45.5%** **(5)**	**66.7%** **(2)**	**71.9%** **(46)**	0.0% (0)	25.0% (1)	**65.4%** **(53)**
21-40%	18.2% (2)	33.3% (1)	15.6% (10)	0.0% (0)	**25.0%** **(1)**	17.3% (14)
41-60%	9.1% (1)	0.0% (0)	3.1% (2)	0.0% (0)	0.0% (0)	3.7% (3)
61-80%	9.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)	**25.0%** **(1)**	2.5% (2)
81-100%	9.1% (1)	0.0% (0)	3.1% (2)	0.0% (0)	0.0% (0)	3.7% (3)
answered question	11	3	64	0	4	81
					skipped question	3

3. What percentage of students at your school are African American?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	**Asian American/Pacific Islander**	**Caucasian/White**	**Hispanic**	**Other (please specify)**	**Response Totals**
0%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
1-20%	27.3% (3)	**66.7% (2)**	**51.6% (33)**	0.0% (0)	**25.0% (1)**	**46.9% (38)**
21-40%	18.2% (2)	0.0% (0)	29.7% (19)	0.0% (0)	**25.0% (1)**	27.2% (22)
41-60%	9.1% (1)	0.0% (0)	9.4% (6)	0.0% (0)	**25.0% (1)**	9.9% (8)
61-80%	9.1% (1)	33.3% (1)	1.6% (1)	0.0% (0)	0.0% (0)	3.7% (3)
81-100%	**36.4% (4)**	0.0% (0)	7.8% (5)	0.0% (0)	**25.0% (1)**	12.3% (10)
answered question	11	3	64	0	4	81
skipped question						3

4. What percentage of students at your school are Hispanic/Latino?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	0.0% (0)	0.0% (0)	3.1% (2)	0.0% (0)	25.0% (1)	3.8% (3)
1-20%	**63.6%** **(7)**	**100.0%** **(2)**	**84.4%** **(54)**	0.0% (0)	**50.0%** **(2)**	**80.0%** **(64)**
21-40%	18.2% (2)	0.0% (0)	12.5% (8)	0.0% (0)	0.0% (0)	12.5% (10)
41-60%	9.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)	25.0% (1)	2.5% (2)
61-80%	9.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	1.3% (1)
81-100%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	11	2	64	0	4	80
				skipped question		4

5. What percentage of students qualify for free or reduced lunch?

| | How do you identify yourself? (Check all that apply.) | | | | | |
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
1-20%	30.0% (3)	**66.7% (2)**	**36.9% (24)**	0.0% (0)	0.0% (0)	**34.6% (28)**
21-40%	10.0% (1)	0.0% (0)	32.3% (21)	0.0% (0)	25.0% (1)	28.4% (23)
41-60%	**40.0% (4)**	0.0% (0)	24.6% (16)	0.0% (0)	**50.0% (2)**	27.2% (22)
61-80%	20.0% (2)	33.3% (1)	4.6% (3)	0.0% (0)	25.0% (1)	8.6% (7)
81-100%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	10	3	65	0	4	81
skipped question						3

6. In which Maryland public school district is your high school located?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Allegany County	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Anne Arundel County	9.1% (1)	0.0% (0)	6.0% (4)	0.0% (0)	0.0% (0)	6.0% (5)
Baltimore City	**27.3% (3)**	**33.3% (1)**	3.0% (2)	0.0% (0)	**25.0% (1)**	8.3% (7)
Baltimore County	9.1% (1)	0.0% (0)	11.9% (8)	0.0% (0)	0.0% (0)	10.7% (9)
Calvert County	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Caroline County	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Carroll County	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Cecil County	0.0% (0)	0.0% (0)	7.5% (5)	0.0% (0)	0.0% (0)	6.0% (5)
Charles County	9.1% (1)	0.0% (0)	3.0% (2)	0.0% (0)	**25.0% (1)**	4.8% (4)
Dorchester County	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Frederick County	0.0% (0)	0.0% (0)	11.9% (8)	0.0% (0)	0.0% (0)	9.5% (8)
Garrett County	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Harford County	0.0% (0)	0.0% (0)	11.9% (8)	0.0% (0)	0.0% (0)	9.5% (8)

Howard County	0.0% (0)	0.0% (0)	9.0% (6)	0.0% (0)	0.0% (0)	7.1% (6)
Kent County	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Montgomery County	**27.3%** **(3)**	**33.3%** **(1)**	**17.9%** **(12)**	0.0% (0)	**25.0%** **(1)**	**20.2%** **(17)**
Prince Georges County	18.2% (2)	0.0% (0)	3.0% (2)	0.0% (0)	**25.0%** **(1)**	6.0% (5)
Queen Anne's County	0.0% (0)	**33.3%** **(1)**	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Somerset County	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
St. Mary's County	0.0% (0)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	2.4% (2)
Talbot County	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Washington County	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Wicomico County	0.0% (0)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	2.4% (2)
Worcester County	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	11	3	67	0	4	**84**
				skipped question		**0**

7. Which of the following best describes your school's location?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Urban	36.4% (4)	33.3% (1)	14.9% (10)	0.0% (0)	25.0% (1)	19.0% (16)
Suburban	**54.5% (6)**	**66.7% (2)**	**55.2% (37)**	0.0% (0)	**75.0% (3)**	**56.0% (47)**
Rural	9.1% (1)	0.0% (0)	29.9% (20)	0.0% (0)	0.0% (0)	25.0% (21)
Online	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	11	3	67	0	4	84
					skipped question	0

8. Which of the following are offered at your high school? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Keyboarding	36.4% (4)	0.0% (0)	34.3% (23)	0.0% (0)	**100.0%** **(4)**	36.9% (31)
An introductory computer science course (pre-AP)	**45.5%** **(5)**	**66.7%** **(2)**	**65.7%** **(44)**	0.0% (0)	50.0% (2)	**61.9%** **(52)**
Advanced Placement Computer Science (AP)	36.4% (4)	**66.7%** **(2)**	62.7% (42)	0.0% (0)	25.0% (1)	57.1% (48)
Oracle Academy	9.1% (1)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	3.6% (3)
Cisco Academy	27.3% (3)	0.0% (0)	20.9% (14)	0.0% (0)	25.0% (1)	21.4% (18)
Other CS/IT courses	9.1% (1)	**66.7%** **(2)**	47.8% (32)	0.0% (0)	50.0% (2)	42.9% (36)
None of the above; My school does not offer CS/IT courses	18.2% (2)	0.0% (0)	9.0% (6)	0.0% (0)	0.0% (0)	9.5% (8)
answered question	11	3	67	0	4	**84**
					skipped question	**0**

9. Which of the following best describes CS/IT your school?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	**Asian American/Pacific Islander**	**Caucasian/White**	**Hispanic**	**Other (please specify)**	**Response Totals**
CS/IT courses have never been offered at my school	**50.0% (1)**	0.0% (0)	**50.0% (3)**	0.0% (0)	0.0% (0)	**50.0% (4)**
CS/IT courses were offered in the past at my school, but have been discontinued	**50.0% (1)**	0.0% (0)	**50.0% (3)**	0.0% (0)	0.0% (0)	**50.0% (4)**
Comments:	1 reply	0 replies	0 replies	0 replies	0 replies	1
answered question	2	0	6	0	0	8
					skipped question	76

10. What are some of the reasons why your school does not offer computer science courses? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Insufficient student interest	0.0% (0)	0.0% (0)	**83.3%** **(5)**	0.0% (0)	0.0% (0)	**62.5%** **(5)**
Budget restrictions	50.0% (1)	0.0% (0)	66.7% (4)	0.0% (0)	0.0% (0)	**62.5%** **(5)**
Lack of qualified teachers	0.0% (0)	0.0% (0)	33.3% (2)	0.0% (0)	0.0% (0)	25.0% (2)
CS is not a graduation requirement	0.0% (0)	0.0% (0)	33.3% (2)	0.0% (0)	0.0% (0)	25.0% (2)
CS is not a priority for my high school	**100.0%** **(2)**	0.0% (0)	16.7% (1)	0.0% (0)	0.0% (0)	37.5% (3)
CS is not a priority for the school system	50.0% (1)	0.0% (0)	16.7% (1)	0.0% (0)	0.0% (0)	25.0% (2)
Other (please specify)	0 replies (0.0%)	0 replies (0.0%)	1 reply (16.7%)	0 replies (0.0%)	0 replies (0.0%)	12.5% (1)
answered question	2	0	6	0	0	**8**
					skipped question	76

11. In your judgement, do you think that your school should offer CS courses?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	**100.0% (2)**	0.0% (0)	**83.3% (5)**	0.0% (0)	0.0% (0)	**87.5% (7)**
No	0.0% (0)	0.0% (0)	16.7% (1)	0.0% (0)	0.0% (0)	12.5% (1)
answered question	2	0	6	0	0	**8**
					skipped question	**76**

12. If your school offered CS/IT courses would you be interested in teaching them?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	0.0% (0)	0.0% (0)	16.7% (1)	0.0% (0)	0.0% (0)	12.5% (1)
No	0.0% (0)	0.0% (0)	**50.0% (3)**	0.0% (0)	0.0% (0)	37.5% (3)
Maybe	**100.0% (2)**	0.0% (0)	33.3% (2)	0.0% (0)	0.0% (0)	**50.0% (4)**
answered question	2	0	6	0	0	**8**
					skipped question	**76**

13. Under what department(s) is CS offered in your school? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Business	**62.5% (5)**	0.0% (0)	**64.4% (38)**	0.0% (0)	**75.0% (3)**	**63.0% (46)**
Technology	**62.5% (5)**	**66.7% (2)**	45.8% (27)	0.0% (0)	50.0% (2)	47.9% (35)
Computing	0.0% (0)	33.3% (1)	15.3% (9)	0.0% (0)	0.0% (0)	13.7% (10)
Math	0.0% (0)	0.0% (0)	11.9% (7)	0.0% (0)	0.0% (0)	9.6% (7)
Science	12.5% (1)	33.3% (1)	1.7% (1)	0.0% (0)	0.0% (0)	4.1% (3)
Other (please specify)	0 replies (0.0%)	1 reply (33.3%)	7 replies (11.9%)	0 replies (0.0%)	0 replies (0.0%)	11.0% (8)
answered question	8	3	59	0	4	**73**
				skipped question		**11**

14. Does your district or state require you to teach a specific computer science course curriculum that includes specific content and outcomes?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	**77.8%** **(7)**	33.3% (1)	**60.7%** **(37)**	0.0% (0)	**100.0%** **(3)**	**64.0%** **(48)**
No	22.2% (2)	**66.7%** **(2)**	39.3% (24)	0.0% (0)	0.0% (0)	36.0% (27)
Comments	1 reply	1 reply	4 replies	0 replies	1 reply	7
answered question	9	3	61	0	3	75
					skipped question	9

15. Are these requirements enforced?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	**75.0%** **(6)**	33.3% (1)	43.9% (25)	0.0% (0)	**66.7%** **(2)**	48.6% (34)
No	25.0% (2)	**66.7%** **(2)**	**56.1%** **(32)**	0.0% (0)	33.3% (1)	**51.4%** **(36)**
Comments	1 reply	0 replies	3 replies	0 replies	2 replies	6
answered question	8	3	57	0	3	70
					skipped question	14

16. Does your school offer an introductory (pre-AP) Computer Science (CS) course?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	33.3% (3)	**66.7% (2)**	**67.2% (41)**	0.0% (0)	25.0% (1)	**60.5% (46)**
No	**66.7% (6)**	33.3% (1)	32.8% (20)	0.0% (0)	**75.0% (3)**	39.5% (30)
answered question	9	3	61	0	4	**76**
					skipped question	8

17. What is the title of the introductory CS course, offered at your school?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Count
	3 replies	2 replies	38 replies	0 replies	1 reply	43
answered question	3	2	38	0	1	**43**
					skipped question	41

18. Are students required to take introductory CS?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	0.0% (0)	0.0% (0)	23.8% (10)	0.0% (0)	0.0% (0)	21.3% (10)
No	**100.0% (3)**	**100.0% (2)**	**76.2% (32)**	0.0% (0)	**100.0% (1)**	**78.7% (37)**
Comments	0 replies	0 replies	8 replies	0 replies	0 replies	8
answered question	3	2	42	0	1	47
					skipped question	37

19. Does the CS introductory course offered in your school have prerequisites?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	**100.0% (3)**	**50.0% (1)**	47.5% (19)	0.0% (0)	0.0% (0)	48.9% (22)
No	0.0% (0)	**50.0% (1)**	**52.5% (21)**	0.0% (0)	**100.0% (1)**	**51.1% (23)**
If yes, what are the prerequisites?	2 replies	1 reply	20 replies	0 replies	0 replies	23
answered question	3	2	40	0	1	45
					skipped question	39

20. How many students enrolled in introductory CS this year at your high school?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
1-10	0.0% (0)	0.0% (0)	5.0% (2)	0.0% (0)	0.0% (0)	4.4% (2)
11-25	**33.3%** **(1)**	**100.0%** **(2)**	**32.5%** **(13)**	0.0% (0)	**100.0%** **(1)**	**35.6%** **(16)**
26-50	**33.3%** **(1)**	0.0% (0)	30.0% (12)	0.0% (0)	0.0% (0)	28.9% (13)
51-100	0.0% (0)	0.0% (0)	17.5% (7)	0.0% (0)	0.0% (0)	15.6% (7)
101+	**33.3%** **(1)**	0.0% (0)	15.0% (6)	0.0% (0)	0.0% (0)	15.6% (7)
answered question	3	2	40	0	1	45
					skipped question	39

21. What approximate percentage of students enrolled in introductory CS are female?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	0.0% (0)	**50.0%** **(1)**	10.0% (4)	0.0% (0)	0.0% (0)	8.9% (4)
1-20%	**66.7%** **(2)**	**50.0%** **(1)**	**60.0%** **(24)**	0.0% (0)	**100.0%** **(1)**	**62.2%** **(28)**
21-40%	33.3% (1)	0.0% (0)	25.0% (10)	0.0% (0)	0.0% (0)	24.4% (11)
41-60%	0.0% (0)	0.0% (0)	5.0% (2)	0.0% (0)	0.0% (0)	4.4% (2)
61-80%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
81-99%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
100%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	3	2	40	0	1	**45**
					skipped question	**39**

22. What approximate percentage of students enrolled in introductory CS are members of an ethnic minority?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	0.0% (0)	0.0% (0)	2.5% (1)	0.0% (0)	0.0% (0)	2.2% (1)
1-20%	**100.0%** **(3)**	**50.0%** **(1)**	**50.0%** **(20)**	0.0% (0)	**100.0%** **(1)**	**53.3%** **(24)**
21-40%	0.0% (0)	0.0% (0)	27.5% (11)	0.0% (0)	0.0% (0)	24.4% (11)
41-60%	0.0% (0)	**50.0%** **(1)**	10.0% (4)	0.0% (0)	0.0% (0)	11.1% (5)
61-80%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
81-99%	0.0% (0)	0.0% (0)	10.0% (4)	0.0% (0)	0.0% (0)	8.9% (4)
100%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	3	2	40	0	1	45
					skipped question	39

23. What content is covered in introductory CS? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Programming	**100.0%** **(3)**	**100.0%** **(2)**	**97.4%** **(38)**	0.0% (0)	**100.0%** **(1)**	**97.7%** **(43)**
Problem solving	66.7% (2)	**100.0%** **(2)**	89.7% (35)	0.0% (0)	0.0% (0)	86.4% (38)
Ethics and social issues	66.7% (2)	50.0% (1)	51.3% (20)	0.0% (0)	0.0% (0)	50.0% (22)
Hardware	33.3% (1)	0.0% (0)	51.3% (20)	0.0% (0)	0.0% (0)	47.7% (21)
Graphics	0.0% (0)	0.0% (0)	30.8% (12)	0.0% (0)	0.0% (0)	27.3% (12)
Web development	66.7% (2)	0.0% (0)	12.8% (5)	0.0% (0)	0.0% (0)	15.9% (7)
Computer security	0.0% (0)	0.0% (0)	17.9% (7)	0.0% (0)	0.0% (0)	15.9% (7)
Game programming	0.0% (0)	**100.0%** **(2)**	28.2% (11)	0.0% (0)	0.0% (0)	27.3% (12)
Productivity software	33.3% (1)	50.0% (1)	7.7% (3)	0.0% (0)	0.0% (0)	9.1% (4)
Databases	0.0% (0)	0.0% (0)	2.6% (1)	0.0% (0)	0.0% (0)	2.3% (1)
Networks	0.0% (0)	0.0% (0)	10.3% (4)	0.0% (0)	0.0% (0)	9.1% (4)
Logic	33.3% (1)	50.0% (1)	69.2% (27)	0.0% (0)	0.0% (0)	63.6% (28)
Information about computing/IT careers	66.7% (2)	50.0% (1)	48.7% (19)	0.0% (0)	0.0% (0)	47.7% (21)
Information about						

computing/IT majors/programs at 2-year colleges	0.0% (0)	50.0% (1)	7.7% (3)	0.0% (0)	0.0% (0)	6.8% (3)
Information about computing/IT majors at 4-year colleges	0.0% (0)	50.0% (1)	17.9% (7)	0.0% (0)	0.0% (0)	15.9% (7)
Information about the Maryland computing/IT job market	0.0% (0)	0.0% (0)	7.7% (3)	0.0% (0)	0.0% (0)	6.8% (3)
Information about employers' commitment to diversity in computing/IT	0.0% (0)	0.0% (0)	5.1% (2)	0.0% (0)	0.0% (0)	4.5% (2)
answered question	3	2	39	0	1	44
			skipped question			40

24. What programming languages/software tools are used in introductory CS? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Java	**66.7%** **(2)**	**100.0%** **(2)**	**84.6%** **(33)**	0.0% (0)	**100.0%** **(1)**	**84.1%** **(37)**
Alice	33.3% (1)	50.0% (1)	35.9% (14)	0.0% (0)	0.0% (0)	34.1% (15)
Visual Basic	0.0% (0)	50.0% (1)	15.4% (6)	0.0% (0)	0.0% (0)	13.6% (6)
Scratch	0.0% (0)	0.0% (0)	12.8% (5)	0.0% (0)	0.0% (0)	11.4% (5)
java script	33.3% (1)	0.0% (0)	5.1% (2)	0.0% (0)	0.0% (0)	6.8% (3)
C++	**66.7%** **(2)**	50.0% (1)	30.8% (12)	0.0% (0)	**100.0%** **(1)**	36.4% (16)
Python	33.3% (1)	0.0% (0)	10.3% (4)	0.0% (0)	0.0% (0)	11.4% (5)
Greenfoot	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
C#	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
HTML	33.3% (1)	0.0% (0)	15.4% (6)	0.0% (0)	0.0% (0)	15.9% (7)
Other (please specify)	0 replies (0.0%)	0 replies (0.0%)	6 replies (15.4%)	0 replies (0.0%)	0 replies (0.0%)	13.6% (6)
answered question	3	2	39	0	1	44
					skipped question	40

25. What type of credit is earned by the introductory CS (pre-AP) courses? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Technology Education Credit	**50.0% (1)**	**50.0% (1)**	40.0% (16)	0.0% (0)	**100.0% (1)**	40.9% (18)
Computing Credit	0.0% (0)	0.0% (0)	5.0% (2)	0.0% (0)	0.0% (0)	4.5% (2)
Business Credit	0.0% (0)	0.0% (0)	10.0% (4)	0.0% (0)	0.0% (0)	9.1% (4)
Math Credit	0.0% (0)	0.0% (0)	7.5% (3)	0.0% (0)	0.0% (0)	6.8% (3)
Science Credit	0.0% (0)	0.0% (0)	2.5% (1)	0.0% (0)	0.0% (0)	2.3% (1)
General Elective Credit	**50.0% (1)**	0.0% (0)	**50.0% (20)**	0.0% (0)	0.0% (0)	**47.7% (21)**
Other Credit	0.0% (0)	**50.0% (1)**	5.0% (2)	0.0% (0)	0.0% (0)	6.8% (3)
Other (please specify)	1 reply	0 replies	3 replies	0 replies	0 replies	4
answered question	2	2	40	0	1	**44**
					skipped question	**40**

26. Does your school offer AP Computer Science?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	33.3% (3)	**66.7%** **(2)**	**68.9%** **(42)**	0.0% (0)	25.0% (1)	**61.8%** **(47)**
No	**66.7%** **(6)**	33.3% (1)	31.1% (19)	0.0% (0)	**75.0%** **(3)**	38.2% (29)
answered question	9	3	61	0	4	76
					skipped question	8

27. How many students take AP CS each year?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
1-10	33.3% (1)	0.0% (0)	26.8% (11)	0.0% (0)	0.0% (0)	26.1% (12)
11-25	**66.7%** **(2)**	**100.0%** **(2)**	**48.8%** **(20)**	0.0% (0)	**100.0%** **(1)**	**52.2%** **(24)**
26-50	0.0% (0)	0.0% (0)	12.2% (5)	0.0% (0)	0.0% (0)	10.9% (5)
51-100	0.0% (0)	0.0% (0)	12.2% (5)	0.0% (0)	0.0% (0)	10.9% (5)
101+	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	3	2	41	0	1	46
					skipped question	38

28. What percentage of students enrolled in AP CS are female?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	33.3% (1)	0.0% (0)	9.8% (4)	0.0% (0)	0.0% (0)	10.9% (5)
1-20%	**66.7% (2)**	**100.0% (2)**	**78.0% (32)**	0.0% (0)	0.0% (0)	**76.1% (35)**
21-40%	0.0% (0)	0.0% (0)	9.8% (4)	0.0% (0)	**100.0% (1)**	10.9% (5)
41-60%	0.0% (0)	0.0% (0)	2.4% (1)	0.0% (0)	0.0% (0)	2.2% (1)
61-80%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
81-99%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
100%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	3	2	41	0	1	**46**
					skipped question	**38**

29. What percentage of students enrolled in AP CS are members of an ethnic minority?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%	0.0% (0)	0.0% (0)	7.3% (3)	0.0% (0)	0.0% (0)	6.5% (3)
1-20%	**100.0% (3)**	**50.0% (1)**	**68.3% (28)**	0.0% (0)	0.0% (0)	**67.4% (31)**
21-40%	0.0% (0)	**50.0% (1)**	7.3% (3)	0.0% (0)	**100.0% (1)**	10.9% (5)
41-60%	0.0% (0)	0.0% (0)	9.8% (4)	0.0% (0)	0.0% (0)	8.7% (4)
61-80%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
81-99%	0.0% (0)	0.0% (0)	7.3% (3)	0.0% (0)	0.0% (0)	6.5% (3)
100%	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	3	2	41	0	1	**46**
				skipped question		**38**

30. Does your school offer CS/IT courses other than introductory and AP Computer Science?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	11.1% (1)	**66.7%** **(2)**	**75.0%** **(45)**	0.0% (0)	**75.0%** **(3)**	**66.7%** **(50)**
No	**88.9%** **(8)**	33.3% (1)	25.0% (15)	0.0% (0)	25.0% (1)	33.3% (25)
answered question	9	3	60	0	4	75
					skipped question	9

31. If your school offers other CS/IT courses, which of the following are offered? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Keyboarding	20.0% (1)	0.0% (0)	36.5% (19)	0.0% (0)	**100.0% (4)**	38.1% (24)
Web design	**80.0% (4)**	33.3% (1)	**57.7% (30)**	0.0% (0)	25.0% (1)	**57.1% (36)**
Computer graphics	20.0% (1)	0.0% (0)	40.4% (21)	0.0% (0)	50.0% (2)	38.1% (24)
Computing communications/media	0.0% (0)	0.0% (0)	21.2% (11)	0.0% (0)	0.0% (0)	17.5% (11)
Programming	20.0% (1)	0.0% (0)	48.1% (25)	0.0% (0)	50.0% (2)	44.4% (28)
Networking	60.0% (3)	33.3% (1)	36.5% (19)	0.0% (0)	25.0% (1)	36.5% (23)
Game development	0.0% (0)	0.0% (0)	21.2% (11)	0.0% (0)	0.0% (0)	17.5% (11)
Computer security	0.0% (0)	0.0% (0)	9.6% (5)	0.0% (0)	0.0% (0)	7.9% (5)
Other (please specify)	0 replies (0.0%)	**2 replies (66.7%)**	10 replies (19.2%)	0 replies (0.0%)	0 replies (0.0%)	17.5% (11)
answered question	5	3	52	0	4	**63**
				skipped question		**21**

32. How many years have you been teaching CS/IT?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0 years	**44.4%** **(4)**	0.0% (0)	8.2% (5)	0.0% (0)	0.0% (0)	11.8% (9)
1-3 years	22.2% (2)	33.3% (1)	24.6% (15)	0.0% (0)	0.0% (0)	23.7% (18)
4-7 years	0.0% (0)	0.0% (0)	18.0% (11)	0.0% (0)	**50.0%** **(2)**	17.1% (13)
8-14 years	11.1% (1)	**66.7%** **(2)**	21.3% (13)	0.0% (0)	25.0% (1)	21.1% (16)
15+ years	22.2% (2)	0.0% (0)	**27.9%** **(17)**	0.0% (0)	25.0% (1)	**26.3%** **(20)**
answered question	9	3	61	0	4	**76**
					skipped question	**8**

33. In a typical year, what percentage of the courses you teach are CS/IT courses?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
0%-25%	**55.6%** **(5)**	**33.3%** **(1)**	**33.3%** **(20)**	0.0% (0)	**50.0%** **(2)**	**37.3%** **(28)**
26%-50%	11.1% (1)	**33.3%** **(1)**	18.3% (11)	0.0% (0)	0.0% (0)	16.0% (12)
51%-75%	0.0% (0)	0.0% (0)	16.7% (10)	0.0% (0)	0.0% (0)	13.3% (10)
76%-100%	33.3% (3)	**33.3%** **(1)**	31.7% (19)	0.0% (0)	**50.0%** **(2)**	33.3% (25)
answered question	9	3	60	0	4	75
					skipped question	9

34. Which of the following courses have you taught in the past three years? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Keyboarding	14.3% (1)	0.0% (0)	11.3% (6)	0.0% (0)	25.0% (1)	12.1% (8)
Introductory CS	**57.1% (4)**	**100.0% (3)**	**56.6% (30)**	0.0% (0)	25.0% (1)	**56.1% (37)**
AP CS	28.6% (2)	33.3% (1)	47.2% (25)	0.0% (0)	25.0% (1)	42.4% (28)
Web design	**57.1% (4)**	33.3% (1)	37.7% (20)	0.0% (0)	25.0% (1)	37.9% (25)
Computer graphics	0.0% (0)	0.0% (0)	11.3% (6)	0.0% (0)	25.0% (1)	10.6% (7)
Computing communications/media	14.3% (1)	0.0% (0)	9.4% (5)	0.0% (0)	25.0% (1)	10.6% (7)
Programming	42.9% (3)	33.3% (1)	47.2% (25)	0.0% (0)	25.0% (1)	45.5% (30)
Networking	28.6% (2)	0.0% (0)	15.1% (8)	0.0% (0)	0.0% (0)	15.2% (10)
Game development	0.0% (0)	0.0% (0)	13.2% (7)	0.0% (0)	0.0% (0)	10.6% (7)
Computer security	0.0% (0)	0.0% (0)	5.7% (3)	0.0% (0)	0.0% (0)	4.5% (3)
Other (please specify)	3 replies (42.9%)	2 replies (66.7%)	15 replies (28.3%)	0 replies (0.0%)	**2 replies (50.0%)**	33.3% (22)
answered question	7	3	53	0	4	**66**
					skipped question	**18**

35. Do you use all or part of the standard curriculum as outlined in the ACM/CSTA Model Curriculum for K-12 Computer Science?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	33.3% (3)	0.0% (0)	17.5% (10)	0.0% (0)	0.0% (0)	18.1% (13)
No, but I know about the ACM/CSTA Model Curriculum	22.2% (2)	**66.7%** **(2)**	31.6% (18)	0.0% (0)	25.0% (1)	30.6% (22)
No, and I never heard of the ACM/CSTA Model Curriculum	**44.4%** **(4)**	33.3% (1)	**50.9%** **(29)**	0.0% (0)	**75.0%** **(3)**	**51.4%** **(37)**
answered question	9	3	57	0	4	**72**
					skipped question	**12**

36. Are the courses that you teach part of any of the following? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Oracle Academy	0.0% (0)	0.0% (0)	2.9% (1)	0.0% (0)	0.0% (0)	2.2% (1)
Cisco Academy	33.3% (2)	0.0% (0)	17.1% (6)	0.0% (0)	0.0% (0)	17.4% (8)
Other CTE IT courses	**50.0% (3)**	**66.7% (2)**	**54.3% (19)**	0.0% (0)	0.0% (0)	**50.0% (23)**
Locally developed CS/IT courses not part of CTE course offerings	16.7% (1)	33.3% (1)	51.4% (18)	0.0% (0)	**100.0% (3)**	**50.0% (23)**
answered question	6	3	35	0	3	46
					skipped question	38

37. How have the CS enrollments changes in your school over the past three (3) years?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Increased	28.6% (2)	0.0% (0)	31.7% (19)	0.0% (0)	**50.0% (2)**	31.9% (23)
Decreased	28.6% (2)	**50.0% (1)**	26.7% (16)	0.0% (0)	**50.0% (2)**	29.2% (21)
Stayed about the same	**42.9% (3)**	**50.0% (1)**	**41.7% (25)**	0.0% (0)	0.0% (0)	**38.9% (28)**
Comments:	0 replies	1 reply	10 replies	0 replies	0 replies	11
answered question	7	2	60	0	4	**72**
					skipped question	**12**

38. In your judgement, do you think there are students who should be taking CS course(s) that your school offers, but who are not?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	**100.0% (9)**	**66.7% (2)**	**87.9% (51)**	0.0% (0)	**66.7% (2)**	**87.5% (63)**
No	0.0% (0)	33.3% (1)	12.1% (7)	0.0% (0)	33.3% (1)	12.5% (9)
answered question	9	3	58	0	3	**72**
					skipped question	**12**

39. Why are these students not taking the CS courses your school offers? (Rate each reason.)

		How do you identify yourself? (Check all that apply.)					Response Totals
		African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	
No room in timetable	Very common	62.5% (5)	66.7% (2)	52.8% (28)	0.0% (0)	100.0% (3)	
	Somewhat common	25.0% (2)	33.3% (1)	41.5% (22)	0.0% (0)	0.0% (0)	
	Uncommon	12.5% (1)	0.0% (0)	5.7% (3)	0.0% (0)	0.0% (0)	
		8	3	53	0	3	6
Greater interest in other subjects	Very common	12.5% (1)	0.0% (0)	42.0% (21)	0.0% (0)	66.7% (2)	
	Somewhat common	50.0% (4)	100.0% (3)	52.0% (26)	0.0% (0)	33.3% (1)	
	Uncommon	37.5% (3)	0.0% (0)	6.0% (3)	0.0% (0)	0.0% (0)	
		8	3	50	0	3	6
Elective courses are less important	Very common	25.0% (2)	66.7% (2)	52.8% (28)	0.0% (0)	66.7% (2)	
	Somewhat common	50.0% (4)	33.3% (1)	37.7% (20)	0.0% (0)	33.3% (1)	
	Uncommon	25.0% (2)	0.0% (0)	9.4% (5)	0.0% (0)	0.0% (0)	
		8	3	53	0	3	6
Subject matter too difficult	Very common	12.5% (1)	33.3% (1)	25.9% (14)	0.0% (0)	0.0% (0)	
	Somewhat common	25.0% (2)	33.3% (1)	55.6% (30)	0.0% (0)	50.0% (1)	

	Uncommon	62.5% (5)	33.3% (1)	18.5% (10)	0.0% (0)	50.0% (1)	
		8	3	54	0	2	6
CS is perceived to be "geeky"	Very common	25.0% (2)	0.0% (0)	25.5% (13)	0.0% (0)	0.0% (0)	
	Somewhat common	12.5% (1)	50.0% (1)	52.9% (27)	0.0% (0)	100.0% (2)	
	Uncommon	62.5% (5)	50.0% (1)	21.6% (11)	0.0% (0)	0.0% (0)	
		8	2	51	0	2	6
Perceived as male-dominated	Very common	0.0% (0)	33.3% (1)	26.9% (14)	0.0% (0)	0.0% (0)	
	Somewhat common	37.5% (3)	66.7% (2)	48.1% (25)	0.0% (0)	50.0% (1)	
	Uncommon	62.5% (5)	0.0% (0)	25.0% (13)	0.0% (0)	50.0% (1)	
		8	3	52	0	2	6
Perception of limited job opportunities	Very common	0.0% (0)	33.3% (1)	0.0% (0)	0.0% (0)	0.0% (0)	
	Somewhat common	14.3% (1)	33.3% (1)	19.2% (10)	0.0% (0)	0.0% (0)	
	Uncommon	85.7% (6)	33.3% (1)	80.8% (42)	0.0% (0)	100.0% (2)	
		7	3	52	0	2	6
Lack of knowledge about careers in computing	Very common	62.5% (5)	66.7% (2)	22.6% (12)	0.0% (0)	50.0% (1)	
	Somewhat common	25.0% (2)	33.3% (1)	50.9% (27)	0.0% (0)	50.0% (1)	
	Uncommon	12.5% (1)	0.0% (0)	26.4% (14)	0.0% (0)	0.0% (0)	
		8	3	53	0	2	6
Unaware of	Very	75.0%	33.3%	23.5%	0.0%	50.0%	

CS courses being offered by school	common	**(6)**	**(1)**	(12)	(0)	**(1)**	
	Somewhat common	12.5% (1)	**33.3% (1)**	**43.1% (22)**	0.0% (0)	**50.0% (1)**	
	Uncommon	12.5% (1)	**33.3% (1)**	33.3% (17)	0.0% (0)	0.0% (0)	
		8	3	51	0	2	6:
Don't understand importance of CS coursework	**Very common**	**75.0% (6)**	**50.0% (1)**	**50.0% (26)**	0.0% (0)	**50.0% (1)**	
	Somewhat common	12.5% (1)	**50.0% (1)**	40.4% (21)	0.0% (0)	**50.0% (1)**	
	Uncommon	12.5% (1)	0.0% (0)	9.6% (5)	0.0% (0)	0.0% (0)	
		8	2	52	0	2	6:
Rather take other enrichment classes such as music	**Very common**	14.3% (1)	33.3% (1)	31.4% (16)	0.0% (0)	**50.0% (1)**	
	Somewhat common	28.6% (2)	**66.7% (2)**	**49.0% (25)**	0.0% (0)	**50.0% (1)**	
	Uncommon	**57.1% (4)**	0.0% (0)	19.6% (10)	0.0% (0)	0.0% (0)	
		7	3	51	0	2	6:
Lack of knowledge about CTE programs of study	**Very common**	37.5% (3)	**33.3% (1)**	**45.3% (24)**	0.0% (0)	**50.0% (1)**	
	Somewhat common	**50.0% (4)**	33.3% (1)	39.6% (21)	0.0% (0)	0.0% (0)	
	Uncommon	12.5% (1)	**33.3% (1)**	15.1% (8)	0.0% (0)	**50.0% (1)**	
		8	3	53	0	2	6:
CTE courses perceived as not rigorous enough for college-	**Very common**	25.0% (2)	0.0% (0)	24.1% (13)	0.0% (0)	0.0% (0)	
	Somewhat common	0.0% (0)	**100.0% (3)**	33.3% (18)	0.0% (0)	**50.0% (1)**	

bound students	Uncommon	75.0% (6)	0.0% (0)	42.6% (23)	0.0% (0)	50.0% (1)	
		8	3	54	0	2	6
answered question		8	3	55	0	3	6
skipped question							1

40. In your judgement, do you think that your school should offer more CS courses?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Yes	88.9% (8)	33.3% (1)	64.4% (38)	0.0% (0)	100.0% (4)	68.9% (51)
No	11.1% (1)	66.7% (2)	35.6% (21)	0.0% (0)	0.0% (0)	31.1% (23)
answered question	9	3	59	0	4	74
skipped question						10

41. If yes, what CS courses should be added?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Count
	7 replies	1 reply	32 replies	0 replies	4 replies	44
answered question	7	1	32	0	4	44
skipped question						40

42. What are some of the reasons why your school does not offer more computer science courses? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Insufficient student interest	33.3% (3)	33.3% (1)	49.2% (29)	0.0% (0)	**75.0% (3)**	47.3% (35)
Budget restrictions	**44.4% (4)**	33.3% (1)	54.2% (32)	0.0% (0)	50.0% (2)	52.7% (39)
Lack of qualified teachers	22.2% (2)	33.3% (1)	45.8% (27)	0.0% (0)	25.0% (1)	41.9% (31)
CS is not a graduation requirement	33.3% (3)	**100.0% (3)**	**66.1% (39)**	0.0% (0)	50.0% (2)	**62.2% (46)**
CS is not a priority for my high school	**44.4% (4)**	33.3% (1)	42.4% (25)	0.0% (0)	**75.0% (3)**	43.2% (32)
CS is not a priority for the school system	33.3% (3)	**100.0% (3)**	54.2% (32)	0.0% (0)	25.0% (1)	51.4% (38)
Other (please specify)	2 replies (22.2%)	1 reply (33.3%)	6 replies (10.2%)	0 replies (0.0%)	0 replies (0.0%)	12.2% (9)
answered question	9	3	59	0	4	**74**
					skipped question	**10**

43. What do you perceive as the greatest challenges in teaching CS? (Please rate each challenge.)

		How do you identify yourself? (Check all that apply.)					
		African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Resp Tot
Lack of student interest/enrollment	Great Challenge	44.4% (4)	33.3% (1)	38.7% (24)	0.0% (0)	0.0% (0)	
	Moderate challenge	22.2% (2)	66.7% (2)	48.4% (30)	0.0% (0)	100.0% (4)	
	Minor/no challenge	33.3% (3)	0.0% (0)	12.9% (8)	0.0% (0)	0.0% (0)	
		9	3	62	0	4	
Rapidly changing technolgy	Great Challenge	33.3% (3)	66.7% (2)	32.8% (20)	0.0% (0)	25.0% (1)	
	Moderate challenge	66.7% (6)	0.0% (0)	49.2% (30)	0.0% (0)	25.0% (1)	
	Minor/no challenge	0.0% (0)	33.3% (1)	18.0% (11)	0.0% (0)	50.0% (2)	
		9	3	61	0	4	
Difficult subject matter	Great Challenge	25.0% (2)	33.3% (1)	29.5% (18)	0.0% (0)	0.0% (0)	
	Moderate challenge	50.0% (4)	66.7% (2)	45.9% (28)	0.0% (0)	50.0% (2)	
	Minor/no challenge	25.0% (2)	0.0% (0)	24.6% (15)	0.0% (0)	50.0% (2)	
		8	3	61	0	4	
Lack of support/interest by school staff	Great Challenge	50.0% (5)	0.0% (0)	38.7% (24)	0.0% (0)	50.0% (2)	
	Moderate challenge	30.0% (3)	50.0% (1)	41.9% (26)	0.0% (0)	25.0% (1)	

	Minor/no challenge	20.0% (2)	**50.0% (1)**	19.4% (12)	0.0% (0)	25.0% (1)
		10	2	62	0	4
Lack of student subject knowledge	Great Challenge	33.3% (3)	0.0% (0)	29.5% (18)	0.0% (0)	0.0% (0)
	Moderate challenge	**44.4% (4)**	**50.0% (1)**	**54.1% (33)**	0.0% (0)	**100.0% (4)**
	Minor/no challenge	22.2% (2)	**50.0% (1)**	16.4% (10)	0.0% (0)	0.0% (0)
		9	2	61	0	4
Lack of curriculum resources	Great Challenge	33.3% (3)	0.0% (0)	**35.0% (21)**	0.0% (0)	25.0% (1)
	Moderate challenge	**44.4% (4)**	**50.0% (1)**	30.0% (18)	0.0% (0)	**75.0% (3)**
	Minor/no challenge	22.2% (2)	**50.0% (1)**	**35.0% (21)**	0.0% (0)	0.0% (0)
		9	2	60	0	4
Lack of hardware/software resources	Great Challenge	**50.0% (5)**	**50.0% (1)**	35.0% (21)	0.0% (0)	25.0% (1)
	Moderate challenge	40.0% (4)	0.0% (0)	25.0% (15)	0.0% (0)	**50.0% (2)**
	Minor/no challenge	10.0% (1)	**50.0% (1)**	**40.0% (24)**	0.0% (0)	25.0% (1)
		10	2	60	0	4
Lack of teacher subject knowlege	Great Challenge	9.1% (1)	0.0% (0)	18.3% (11)	0.0% (0)	25.0% (1)
	Moderate challenge	**45.5% (5)**	0.0% (0)	36.7% (22)	0.0% (0)	**50.0% (2)**
	Minor/no challenge	**45.5% (5)**	**100.0% (2)**	**45.0% (27)**	0.0% (0)	25.0% (1)
		11	2	60	0	4
answered question		11	3	62	0	4

44. Challenges continued. (Please rank each of the following.)

		How do you identify yourself? (Check all that apply.)					Respons Totals
		African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	
Lack of student math preparation	Great challenge	50.0% (5)	0.0% (0)	26.7% (16)	0.0% (0)	25.0% (1)	
	Moderate challenge	40.0% (4)	100.0% (2)	60.0% (36)	0.0% (0)	75.0% (3)	
	Minor/no challenge	10.0% (1)	0.0% (0)	13.3% (8)	0.0% (0)	0.0% (0)	
		10	2	60	0	4	7
Lack of support/interest by school leadership	Great challenge	40.0% (4)	0.0% (0)	35.0% (21)	0.0% (0)	50.0% (2)	
	Moderate challenge	40.0% (4)	50.0% (1)	36.7% (22)	0.0% (0)	50.0% (2)	
	Minor/no challenge	20.0% (2)	50.0% (1)	28.3% (17)	0.0% (0)	0.0% (0)	
		10	2	60	0	4	7
Lack of computer lab space	Great challenge	20.0% (2)	50.0% (1)	21.7% (13)	0.0% (0)	25.0% (1)	
	Moderate challenge	50.0% (5)	0.0% (0)	26.7% (16)	0.0% (0)	0.0% (0)	
	Minor/no challenge	30.0% (3)	50.0% (1)	51.7% (31)	0.0% (0)	75.0% (3)	
		10	2	60	0	4	7
Lack of computer lab/IT support	Great challenge	27.3% (3)	0.0% (0)	15.3% (9)	0.0% (0)	50.0% (2)	

personnel	Moderate challenge	45.5% (5)	50.0% (1)	32.2% (19)	0.0% (0)	0.0% (0)
	Minor/no challenge	27.3% (3)	50.0% (1)	52.5% (31)	0.0% (0)	50.0% (2)
		11	2	59	0	4
Lack of guidance staff knowledge about importance of CS	Great challenge	20.0% (2)	66.7% (2)	50.0% (30)	0.0% (0)	50.0% (2)
	Moderate challenge	70.0% (7)	33.3% (1)	36.7% (22)	0.0% (0)	50.0% (2)
	Minor/no challenge	10.0% (1)	0.0% (0)	13.3% (8)	0.0% (0)	0.0% (0)
		10	3	60	0	4
Lack of parental encouragement for students to take CS	Great challenge	45.5% (5)	66.7% (2)	37.7% (23)	0.0% (0)	50.0% (2)
	Moderate challenge	45.5% (5)	33.3% (1)	49.2% (30)	0.0% (0)	50.0% (2)
	Minor/no challenge	9.1% (1)	0.0% (0)	13.1% (8)	0.0% (0)	0.0% (0)
		11	3	61	0	4
Lack of parental knowlege about the importance of CS	Great challenge	54.5% (6)	50.0% (1)	45.9% (28)	0.0% (0)	50.0% (2)
	Moderate challenge	45.5% (5)	0.0% (0)	39.3% (24)	0.0% (0)	50.0% (2)
	Minor/no challenge	0.0% (0)	50.0% (1)	14.8% (9)	0.0% (0)	0.0% (0)
		11	2	61	0	4
Lack of a professional community of other CS instructors	Great challenge	30.0% (3)	50.0% (1)	24.6% (15)	0.0% (0)	25.0% (1)
	Moderate challenge	60.0% (6)	0.0% (0)	44.3% (27)	0.0% (0)	50.0% (2)
	Minor/no challenge	10.0% (1)	50.0% (1)	31.1% (19)	0.0% (0)	25.0% (1)

		10	2	61	0	4	7
Lack of professional development opportunities	**Great challenge**	20.0% (2)	**50.0% (1)**	15.3% (9)	0.0% (0)	25.0% (1)	
	Moderate challenge	**70.0% (7)**	0.0% (0)	**44.1% (26)**	0.0% (0)	**50.0% (2)**	
	Minor/no challenge	10.0% (1)	**50.0% (1)**	40.7% (24)	0.0% (0)	25.0% (1)	
		10	2	59	0	4	7
Understanding state curriculum standards	**Great challenge**	10.0% (1)	0.0% (0)	16.7% (10)	0.0% (0)	0.0% (0)	
	Moderate challenge	**80.0% (8)**	0.0% (0)	33.3% (20)	0.0% (0)	**75.0% (3)**	
	Minor/no challenge	10.0% (1)	**100.0% (2)**	**50.0% (30)**	0.0% (0)	25.0% (1)	
		10	2	60	0	4	7
Creating a curriculum that satisfies district and state standards	**Great challenge**	20.0% (2)	0.0% (0)	21.7% (13)	0.0% (0)	0.0% (0)	
	Moderate challenge	**80.0% (8)**	50.0% (1)	35.0% (21)	0.0% (0)	**50.0% (2)**	
	Minor/no challenge	0.0% (0)	**50.0% (1)**	**43.3% (26)**	0.0% (0)	**50.0% (2)**	
		10	2	60	0	4	7
Being asked to teach multiple CS related courses in the same classroom at the same time	**Great challenge**	30.0% (3)	**50.0% (1)**	**38.3% (23)**	0.0% (0)	25.0% (1)	
	Moderate challenge	**40.0% (4)**	0.0% (0)	36.7% (22)	0.0% (0)	25.0% (1)	
	Minor/no challenge	30.0% (3)	**50.0% (1)**	25.0% (15)	0.0% (0)	**50.0% (2)**	
		10	2	60	0	4	7
Teacher lack of knowledge of Maryland job	**Great challenge**	20.0% (2)	0.0% (0)	6.7% (4)	0.0% (0)	0.0% (0)	

market	**Moderate challenge**	**50.0% (5)**	**50.0% (1)**	31.7% (19)	0.0% (0)	**50.0% (2)**	
	Minor/no challenge	30.0% (3)	**50.0% (1)**	**61.7% (37)**	0.0% (0)	**50.0% (2)**	
		10	2	60	0	4	
Teacher lack of knowledge of CS career paths	**Great challenge**	20.0% (2)	0.0% (0)	5.0% (3)	0.0% (0)	0.0% (0)	
	Moderate challenge	**50.0% (5)**	**50.0% (1)**	25.0% (15)	0.0% (0)	**50.0% (2)**	
	Minor/no challenge	30.0% (3)	**50.0% (1)**	**70.0% (42)**	0.0% (0)	**50.0% (2)**	
		10	2	60	0	4	
Inability to attact women and minorities to CS classes	**Great challenge**	30.0% (3)	**50.0% (1)**	26.7% (16)	0.0% (0)	25.0% (1)	
	Moderate challenge	**50.0% (5)**	0.0% (0)	**45.0% (27)**	0.0% (0)	**75.0% (3)**	
	Minor/no challenge	20.0% (2)	**50.0% (1)**	28.3% (17)	0.0% (0)	0.0% (0)	
		10	2	60	0	4	
Lack of internships for students	**Great challenge**	27.3% (3)	0.0% (0)	20.0% (12)	0.0% (0)	25.0% (1)	
	Moderate challenge	**54.5% (6)**	**100.0% (1)**	**45.0% (27)**	0.0% (0)	**50.0% (2)**	
	Minor/no challenge	18.2% (2)	0.0% (0)	35.0% (21)	0.0% (0)	25.0% (1)	
		11	1	60	0	4	
answered question		11	3	61	0	4	
					skipped question		

45. What do you perceive as the greatest professional development needs?

		How do you identify yourself? (Check all that apply.)					Response Totals
		African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	
Time for training	**Great need**	**80.0%** **(8)**	**66.7%** **(2)**	**61.7%** **(37)**	0.0% (0)	25.0% (1)	
	Moderate need	20.0% (2)	0.0% (0)	25.0% (15)	0.0% (0)	**75.0%** **(3)**	
	Minor/no need	0.0% (0)	33.3% (1)	13.3% (8)	0.0% (0)	0.0% (0)	
		10	3	60	0	4	7
Sufficient training opportunities	**Great need**	**81.8%** **(9)**	**50.0%** **(1)**	**50.8%** **(30)**	0.0% (0)	25.0% (1)	
	Moderate need	9.1% (1)	0.0% (0)	33.9% (20)	0.0% (0)	**75.0%** **(3)**	
	Minor/no need	9.1% (1)	**50.0%** **(1)**	15.3% (9)	0.0% (0)	0.0% (0)	
		11	2	59	0	4	7
Training cost (and lack of reimbursement)	**Great need**	**100.0%** **(11)**	0.0% (0)	**53.3%** **(32)**	0.0% (0)	**75.0%** **(3)**	
	Moderate need	0.0% (0)	**50.0%** **(1)**	28.3% (17)	0.0% (0)	25.0% (1)	
	Minor/no need	0.0% (0)	**50.0%** **(1)**	18.3% (11)	0.0% (0)	0.0% (0)	
		11	2	60	0	4	7
Training facilities and resources	**Great need**	**90.9%** **(10)**	**50.0%** **(1)**	36.7% (22)	0.0% (0)	25.0% (1)	
	Moderate need	0.0% (0)	0.0% (0)	**38.3%** **(23)**	0.0% (0)	**75.0%** **(3)**	
	Minor/no	9.1%	**50.0%**	25.0%	0.0%	0.0%	

	need	(1)	**(1)**	(15)	(0)	(0)	
		11	2	60	0	4	7
Sufficient training opportunities nearby	**Great need**	**70.0%** **(7)**	**50.0%** **(1)**	**41.7%** **(25)**	0.0% (0)	25.0% (1)	
	Moderate need	30.0% (3)	0.0% (0)	38.3% (23)	0.0% (0)	**75.0%** **(3)**	
	Minor/no need	0.0% (0)	**50.0%** **(1)**	20.0% (12)	0.0% (0)	0.0% (0)	
		10	2	60	0	4	7
Readily available information about upcoming training opportunities	**Great need**	**70.0%** **(7)**	**50.0%** **(1)**	25.0% (15)	0.0% (0)	25.0% (1)	
	Moderate need	30.0% (3)	0.0% (0)	**50.0%** **(30)**	0.0% (0)	25.0% (1)	
	Minor/no need	0.0% (0)	**50.0%** **(1)**	25.0% (15)	0.0% (0)	**50.0%** **(2)**	
		10	2	60	0	4	7
Timely information about training opportunities	**Great need**	**80.0%** **(8)**	**66.7%** **(2)**	26.7% (16)	0.0% (0)	25.0% (1)	
	Moderate need	20.0% (2)	0.0% (0)	**45.0%** **(27)**	0.0% (0)	25.0% (1)	
	Minor/no need	0.0% (0)	33.3% (1)	28.3% (17)	0.0% (0)	**50.0%** **(2)**	
		10	3	60	0	4	7
More training at convenient times during school year	**Great need**	**60.0%** **(6)**	**66.7%** **(2)**	36.7% (22)	0.0% (0)	**50.0%** **(2)**	
	Moderate need	40.0% (4)	0.0% (0)	**53.3%** **(32)**	0.0% (0)	**50.0%** **(2)**	
	Minor/no need	0.0% (0)	33.3% (1)	10.0% (6)	0.0% (0)	0.0% (0)	
		10	3	60	0	4	7
More training offered during	**Great need**	**72.7%** **(8)**	**50.0%** **(1)**	**40.0%** **(24)**	0.0% (0)	**50.0%** **(2)**	

the summer							
	Moderate need	9.1% (1)	0.0% (0)	**40.0% (24)**	0.0% (0)	25.0% (1)	
	Minor/no need	18.2% (2)	**50.0% (1)**	20.0% (12)	0.0% (0)	25.0% (1)	
		11	2	60	0	4	7
answered question		11	3	60	0	4	7
				skipped question			

46. What do you believe to be the most effective methods for delivering professional developm to CS teachers? (Please rank each.)

		How do you identify yourself? (Check all that apply.)					
		African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Re T
Workshops/seminars	Most effective	90.9% (10)	50.0% (1)	63.3% (38)	0.0% (0)	50.0% (2)	
	Somewhat effective	9.1% (1)	50.0% (1)	30.0% (18)	0.0% (0)	50.0% (2)	
	Least effective	0.0% (0)	0.0% (0)	6.7% (4)	0.0% (0)	0.0% (0)	
		11	2	60	0	4	
Online resources	Most effective	54.5% (6)	33.3% (1)	38.6% (22)	0.0% (0)	75.0% (3)	
	Somewhat effective	45.5% (5)	33.3% (1)	50.9% (29)	0.0% (0)	25.0% (1)	
	Least effective	0.0% (0)	33.3% (1)	10.5% (6)	0.0% (0)	0.0% (0)	
		11	3	57	0	4	
Networking with others	Most effective	70.0% (7)	0.0% (0)	50.0% (29)	0.0% (0)	50.0% (2)	
	Somewhat effective	30.0% (3)	50.0% (1)	41.4% (24)	0.0% (0)	25.0% (1)	
	Least effective	0.0% (0)	50.0% (1)	8.6% (5)	0.0% (0)	25.0% (1)	
		10	2	58	0	4	
Computer-based tutorials	Most effective	60.0% (6)	33.3% (1)	37.5% (21)	0.0% (0)	50.0% (2)	
	Somewhat effective	40.0% (4)	66.7% (2)	46.4% (26)	0.0% (0)	25.0% (1)	

	Least effective	0.0% (0)	0.0% (0)	16.1% (9)	0.0% (0)	25.0% (1)
		10	3	56	0	4
Professional conferences	Most effective	**63.6% (7)**	0.0% (0)	39.0% (23)	0.0% (0)	**50.0% (2)**
	Somewhat effective	36.4% (4)	**100.0% (2)**	**47.5% (28)**	0.0% (0)	25.0% (1)
	Least effective	0.0% (0)	0.0% (0)	13.6% (8)	0.0% (0)	25.0% (1)
		11	2	59	0	4
College courses	Most effective	**60.0% (6)**	**50.0% (1)**	**50.0% (29)**	0.0% (0)	**75.0% (3)**
	Somewhat effective	40.0% (4)	**50.0% (1)**	37.9% (22)	0.0% (0)	25.0% (1)
	Least effective	0.0% (0)	0.0% (0)	12.1% (7)	0.0% (0)	0.0% (0)
		10	2	58	0	4
Other effective methods (please specify)		2 replies	1 reply	4 replies	0 replies	0 replies
answered question		11	3	60	0	4
skipped question						

47. Please rank your preference/the convenience of each of the following times for your participation in professional development activities?

		How do you identify yourself? (Check all that apply.)					
		African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Re T
After school-4:30-6:00 pm	Most prefer/most convenient	37.5% (3)	0.0% (0)	32.2% (19)	0.0% (0)	**50.0% (2)**	
	Prefer slightly/Somewhat convenient	**50.0% (4)**	**50.0% (1)**	25.4% (15)	0.0% (0)	25.0% (1)	
	Definitely not/Not convenient	12.5% (1)	**50.0% (1)**	**42.4% (25)**	0.0% (0)	25.0% (1)	
		8	2	59	0	4	
Saturday morning during school year	Most prefer/most convenient	30.0% (3)	0.0% (0)	13.8% (8)	0.0% (0)	0.0% (0)	
	Prefer slightly/Somewhat convenient	10.0% (1)	0.0% (0)	25.9% (15)	0.0% (0)	**75.0% (3)**	
	Definitely not/Not convenient	**60.0% (6)**	**100.0% (2)**	**60.3% (35)**	0.0% (0)	25.0% (1)	
		10	2	58	0	4	
Saturday afternoon during school year	Most prefer/most convenient	22.2% (2)	0.0% (0)	8.6% (5)	0.0% (0)	25.0% (1)	
	Prefer slightly/Somewhat convenient	22.2% (2)	**50.0% (1)**	15.5% (9)	0.0% (0)	0.0% (0)	
	Definitely not/Not convenient	**55.6% (5)**	50.0% (1)	**75.9% (44)**	0.0% (0)	**75.0% (3)**	
		9	2	58	0	4	
Summer-weekdays in June	Most prefer/most convenient	**72.7% (8)**	66.7% (2)	54.1% (33)	0.0% (0)	**50.0% (2)**	

immediately after school ends	Prefer slightly/Somewhat convenient	18.2% (2)	33.3% (1)	26.2% (16)	0.0% (0)	50.0% (2)
	Definitely not/Not convenient	9.1% (1)	0.0% (0)	19.7% (12)	0.0% (0)	0.0% (0)
		11	3	61	0	4
Summer-weekdays in July	Most prefer/most convenient	60.0% (6)	0.0% (0)	35.6% (21)	0.0% (0)	33.3% (1)
	Prefer slightly/Somewhat convenient	30.0% (3)	100.0% (2)	35.6% (21)	0.0% (0)	33.3% (1)
	Definitely not/Not convenient	10.0% (1)	0.0% (0)	28.8% (17)	0.0% (0)	33.3% (1)
		10	2	59	0	3
Summer-weekdays in early August	Most prefer/most convenient	60.0% (6)	0.0% (0)	31.7% (19)	0.0% (0)	0.0% (0)
	Prefer slightly/Somewhat convenient	20.0% (2)	100.0% (2)	41.7% (25)	0.0% (0)	66.7% (2)
	Definitely not/Not convenient	20.0% (2)	0.0% (0)	26.7% (16)	0.0% (0)	33.3% (1)
		10	2	60	0	3
Summer-Saturdays	Most prefer/most convenient	22.2% (2)	0.0% (0)	8.6% (5)	0.0% (0)	0.0% (0)
	Prefer slightly/Somewhat convenient	22.2% (2)	0.0% (0)	13.8% (8)	0.0% (0)	33.3% (1)
	Definitely not/Not convenient	55.6% (5)	100.0% (2)	77.6% (45)	0.0% (0)	66.7% (2)
		9	2	58	0	3
	answered question	11	3	61	0	4
	skipped question					

48. Which of the following certifications do you currently hold? (Check all that apply)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Professional Eligibility Certificate (PEC)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Standard Professional Certificate I (SPC I)	10.0% (1)	0.0% (0)	21.9% (14)	0.0% (0)	**50.0%** **(2)**	21.3% (17)
Standard Professional Certificate II (SPCII)	0.0% (0)	0.0% (0)	3.1% (2)	0.0% (0)	0.0% (0)	2.5% (2)
Advanced Professional Certificate (APC)	**90.0%** **(9)**	**100.0%** **(3)**	**73.4%** **(47)**	0.0% (0)	**50.0%** **(2)**	**75.0%** **(60)**
Resident Teacher Certificate (RTC)	0.0% (0)	0.0% (0)	1.6% (1)	0.0% (0)	0.0% (0)	1.3% (1)
Conditional Certificate (COND)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
answered question	10	3	64	0	4	**80**
				skipped question		4

49. In which of the following areas are you certified to teach in Maryland?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Agriculture/Agribusiness and Renewable Natural Resources	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Biology	9.1% (1)	0.0% (0)	3.0% (2)	0.0% (0)	25.0% (1)	4.8% (4)
Business Education	36.4% (4)	33.3% (1)	31.8% (21)	0.0% (0)	25.0% (1)	31.3% (26)
Chemistry	9.1% (1)	33.3% (1)	1.5% (1)	0.0% (0)	25.0% (1)	4.8% (4)
Computer Science	18.2% (2)	**66.7% (2)**	**45.5% (30)**	0.0% (0)	25.0% (1)	41.0% (34)
Data Processing	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Earth/Space Science	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
English	9.1% (1)	33.3% (1)	3.0% (2)	0.0% (0)	0.0% (0)	4.8% (4)
Family and Consumer Sciences	0.0% (0)	0.0% (0)	7.6% (5)	0.0% (0)	0.0% (0)	6.0% (5)
Family and Consumer Sciences/Career Technology Education	0.0% (0)	0.0% (0)	4.5% (3)	0.0% (0)	0.0% (0)	3.6% (3)
Foreign Language: Classical	0.0% (0)	33.3% (1)	0.0% (0)	0.0% (0)	0.0% (0)	1.2% (1)
Foreign Language: Modern	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)
Geography	0.0% (0)	0.0% (0)	1.5% (1)	0.0% (0)	0.0% (0)	1.2% (1)

Health Occupations Education	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
History	0.0% (0)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	2.4% (2)
Marketing Education - Teacher-Coordinator	0.0% (0)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	2.4% (2)
Mathematics	18.2% (2)	0.0% (0)	28.8% (19)	0.0% (0)	**50.0% (2)**	27.7% (23)
Physical Science	9.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	1.2% (1)
Physics	0.0% (0)	0.0% (0)	3.0% (2)	0.0% (0)	0.0% (0)	2.4% (2)
Social Studies	9.1% (1)	0.0% (0)	6.1% (4)	0.0% (0)	0.0% (0)	6.0% (5)
Speech Communication	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Technology Education	**54.5% (6)**	33.3% (1)	42.4% (28)	0.0% (0)	25.0% (1)	**42.2% (35)**
Theater	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Trades and Industry	9.1% (1)	0.0% (0)	4.5% (3)	0.0% (0)	0.0% (0)	4.8% (4)
Work-Based Learning Coordinator (endorsement only)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Other (please specify)	2 replies (18.2%)	0 replies (0.0%)	8 replies (12.1%)	0 replies (0.0%)	1 reply (25.0%)	13.3% (11)
answered question	11	3	66	0	4	83
					skipped question	1

50. How many years have you been teaching?

| | How do you identify yourself? (Check all that apply.) | | | | | |
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
1-3 years	0.0% (0)	0.0% (0)	4.5% (3)	0.0% (0)	0.0% (0)	3.6% (3)
4-7 years	18.2% (2)	**33.3% (1)**	19.4% (13)	0.0% (0)	**50.0% (2)**	21.4% (18)
8-14 years	36.4% (4)	**33.3% (1)**	31.3% (21)	0.0% (0)	0.0% (0)	29.8% (25)
15+ years	**45.5% (5)**	33.3% (1)	**44.8% (30)**	0.0% (0)	50.0% (2)	**45.2% (38)**
answered question	11	3	67	0	4	84
					skipped question	0

51. How do you identify yourself? (Check all that apply.)

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
African American/Black	**100.0%** **(11)**	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	13.1% (11)
Asian American/Pacific Islander	0.0% (0)	**100.0%** **(3)**	1.5% (1)	0.0% (0)	0.0% (0)	3.6% (3)
Caucasian/White	0.0% (0)	33.3% (1)	**100.0%** **(67)**	0.0% (0)	0.0% (0)	**79.8%** **(67)**
Hispanic	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Native American/Indigenous	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)
Other (please specify)	0 replies (0.0%)	0 replies (0.0%)	0 replies (0.0%)	0 replies (0.0%)	**4 replies (100.0%)**	4.8% (4)
answered question	11	3	67	0	4	**84**
					skipped question	**0**

52. Sex:

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
Female	18.2% (2)	**66.7% (2)**	49.3% (33)	0.0% (0)	**66.7% (2)**	47.0% (39)
Male	**81.8% (9)**	33.3% (1)	**50.7% (34)**	0.0% (0)	33.3% (1)	**53.0% (44)**
answered question	11	3	67	0	3	83
					skipped question	1

53. What is your age?

	How do you identify yourself? (Check all that apply.)					
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Other (please specify)	Response Totals
22-30	0.0% (0)	0.0% (0)	6.1% (4)	0.0% (0)	33.3% (1)	6.1% (5)
31-40	18.2% (2)	0.0% (0)	22.7% (15)	0.0% (0)	0.0% (0)	20.7% (17)
41-50	**36.4% (4)**	**100.0% (3)**	30.3% (20)	0.0% (0)	0.0% (0)	31.7% (26)
51-60	27.3% (3)	0.0% (0)	**34.8% (23)**	0.0% (0)	**66.7% (2)**	**34.1% (28)**
61+	18.2% (2)	0.0% (0)	6.1% (4)	0.0% (0)	0.0% (0)	7.3% (6)
answered question	11	3	66	0	3	82
					skipped question	2