



**CSTA NATIONAL SECONDARY COMPUTER SCIENCE SURVEY (2007)
OREGON RESULTS**

Methodology:

This survey instrument was developed by CSTA’s Research Committee and was administered in spring 2007 to 13,000 high school teachers who defined themselves as computer science, computer programming, or AP computer science teachers. Survey invitations, which directed respondents to the survey page on CSTA's Web site, were mailed to teachers across the United States using contact information provided by a market data company. In addition, CSTA's home page featured a request with a link to the survey. A total of 1080 people responded to the survey (a response rate of 8.31%). Of the original responses, 950 were usable, the remainder having been eliminated because they were blank or submitted by high school students, college faculty, or people outside the US. Respondents were provided the option of taking the survey online or printing and returning it by mail or fax. The results below represent the percentages and averages for those who answered each question in the state of Oregon.

Results:

1-a. Does your school offer any introductory (or pre-AP) Computer Science (CS) courses?

Yes	100%
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1-b. What type of credit is earned by the course(s)?

CS Credit	25%
Math Credit	8%
Business Credit	25%
Elective Credit	67%

1-c. Are students required to take introductory CS?

Yes	17%
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1-d. How many students are enrolled in introductory CS?

0-10	1	% of schools
11-25	2	% of schools
26-50	5	% of schools
51-100	4	% of schools
101+	0	% of schools

1-e. What percentage of students enrolled in introductory CS are female? (Skip if your school is single-sex.)

0% females	1	% of schools
1-20% females	5	% of schools
21-40% females	4	% of schools
41-60% females	1	% of schools
61-80% females	0	% of schools
81-99% females	0	% of schools
100% females	0	% of schools

1-f. What percentage of students enrolled in introductory CS are members of an ethnic minority?

0% minority	0	0% of schools
1-20% minority	7	70% of schools
21-40% minority	3	30% of schools
41-60% minority	0	0% of schools
61-80% minority	0	0% of schools
81-99% minority	0	0% of schools
100% minority	0	0% of schools

1-g. What content is covered in introductory CS? Check all that apply.

Problem solving	11	100%
Graphics	11	100%
Programming	9	81%
Ethics and social issues	6	55%
Hardware	4	36%
Computer Security	4	36%
Web Development	4	36%
Networks	3	27%
Productivity software	2	18%
Databases	2	18%
Logic	1	9%
Other	3	27%

2-a. Does your school offer AP Computer Science?

Yes	55%
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2-b. How many students take AP CS?

0-10 students	4	60% of schools
11-25 students	2	40% of schools
26-50 students	0	0% of schools
51-100 students	0	0% of schools
101+ students	0	0% of schools

2-c. What percentage of students enrolled in AP CS are female? (Skip if your school is single-sex.)

0% females	2	33% of schools
1-20% females	2	33% of schools
21-40% females	1	17% of schools
41-60% females	0	0% of schools
61-80% females	1	17% of schools
81-99% females	0	0% of schools
100% females	0	0% of schools

2-d. What percentage of students enrolled in AP CS are members of an ethnic minority?

0% minority	2	33% of schools
1-20% minority	3	50 of schools
21-40% minority	1	17% of schools
41-60% minority	0	0% of schools
61-80% minority	0	0% of schools
81-99% minority	0	0% of schools
100% minority	0	0% of schools

3-a. Does your school offer computing courses other than introductory and AP Computer Science?

Yes 89%

3-b. What kinds of courses?

Web design	76% of schools
Computer graphics	53% of schools
Computing communications/media	43% of schools
Programming	41% of schools
Networking	24% of schools
Applications	17% of schools
Media/Arts	6.8% of schools
Certification	4.6% of schools
Support/Repair	3.4% of schools
Robotics	0.8% of schools
Game design	0.6% of schools
International Baccalaureate (IB)	0.4% of schools

4. Does your school have a math prerequisite for any CS course?

Yes 50%

5. Have CS enrollments increased or decreased in your school over the past three (3) years?

Increased 33.3% of schools
 Decreased 33.3% of schools
 Stayed about the same 33.3% of schools

6-a. In your judgment, is there a significant number of qualified students who are not taking the CS course(s) that your school offers?

Yes 100%

6-b. Why? Please rank each reason below:

	Very common	Somewhat common	Uncommon
Greater interest in other subjects	5	5	1
CS is perceived to be 'geeky'	1	7	2
Elective courses less important	5	3	2
Subject matter too difficult	1	8	1
No room in timetable	9	2	0
Perception of limited job opportunities	0	3	7
Perceived as male-dominated	2	6	3

7. What has been the impact of the No Child Left Behind (NCLB) legislation on your CS program?

Negative impact 58% of schools
 No impact 42% of schools
 Positive impact 0% of schools

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

Yes 0%

8-b. Are these requirements enforced?

Yes 0%

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

Yes 16.6%

10. What do you perceive as the greatest challenges in teaching CS? Please rank each challenge below:

	Great challenge	Moderate challenge	Minor/no challenge
Rapidly changing technology	5	4	2
Lack of student interest/enrollment	2	8	2
Lack of support / interest by school staff	3	5	4
Lack of hardware / software resources	3	3	6
Difficult subject matter	1	7	4
Lack of curriculum resources	1	6	4
Lack of student subject knowledge	1	5	6
Lack of teacher subject knowledge	1	6	5

11. What do you perceive as the greatest professional development needs? Please rank each need below:

	Great need	Moderate need	Minor/no need
Time for training	7	3	1
Sufficient training opportunities	7	3	1
Training cost (and lack of reimbursement)	7	4	0
Training facilities and resources	5	4	2

12. What do you believe to be the most effective methods for delivering professional development to CS teachers? Please rank each method below:

	Most effective	Somewhat effective	Least effective
Workshops / seminars	10	1	1
Networking with others	7	3	2
Professional conferences	7	3	3
Online resources	3	6	3
Computer-based tutorials	2	8	2
College courses	4	5	5

13-a. How many students attend your school?

1-100 students	1	8.3% of schools
101-250 students	0	0% of schools
251-500 students	2	16.6% of schools
501-1000 students	2	16.6% of schools
1001-2000 students	7	58.3% of schools
2001+ students	0	0% of schools
Overall Average:	1045 students	

13-b. What grade levels?

Ninth	100% of schools
Tenth	100% of schools
Eleventh	100% of schools
Twelfth	100% of schools

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

Unknown	4	33.3% of schools
% of students	0	0% of schools
1-20% of students	7	58.3% of schools
21-40% of students	1	8.3% of schools
41-60% of students	0	0% of schools
61-80% of students	0	0% of schools
81-100% of students	0	0% of schools

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

Urban	5	41.6% of schools
Suburban	6	25% of schools
Rural	1	8.3% of schools

16. How many years have you been teaching?

1-3 years	1	8.3% of respondents
4-7 years	0	0% of respondents
8-14 years	1	8.3% of respondents
15+ years	10	83.3% of respondents
Overall Average	21 years	

17. How many years have you been teaching CS?

0 years	0	0% of respondents
1-3 years	1	8.3% of respondents
4-7 years	1	8.3% of respondents
8-14 years	2	16.6% of respondents
15+ years	8	66.6% of respondents
Overall Average	15 years	

18. How do you identify yourself? Please check all that apply:

Caucasian / White	11	91.6% of respondents
African-American / Black	0	0% of respondents
Asian-American / Asian	1	8.3% of respondents
Hispanic	0	0% of respondents
Native American / Indigenous	0	0% of respondents
Other	0	0% of respondents

19. What is your gender?

Female	4	33.3% of respondents
Male	8	66.4% of respondents

20. What is your age?

22-30 years	0	0% of respondents
31-40 years	3	25% of respondents
41-50 years	5	41.6 of respondents
51-60 years	4	33.3% of respondents
61+	0	0% of respondents
Overall Average	44 years	