



\*indicates responses totaled 0.4% or less

**SCREENING**

1. Are you 18 years or older and registered to vote in the state of Washington?

Yes ..... 100%  
 --  
 No..... TERMINATE

2. Do you or does anyone in your household work in any of the following industries? Please check all that apply.

Technology ..... 14%  
 Healthcare ..... 10  
 Education..... 9  
 Manufacturing..... 6  
 Medicine or bioscience ..... 5  
 Engineering ..... 5  
 Agriculture ..... 1  
 --  
 None of these ..... 62

3. How satisfied would you say you are with the job that Washington's public schools are doing at preparing students for good jobs and opportunities in the state?

	<u>2017</u>	<u>2015</u>	<u>2013</u>
<b>SATISFIED</b> .....	<b>42%</b>	<b>47%</b>	<b>43%</b>
<b>DISSATISFIED</b> .....	<b>40%</b>	<b>34%</b>	<b>46%</b>
Very satisfied.....	12%	13%	9%
Somewhat satisfied.....	30	35	34
Somewhat dissatisfied.....	27	20	26
Very dissatisfied.....	20	15	20
Neither (DNR).....	5	5	1
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Not sure.....	13	13	10

4. You will read the abbreviation **STEM** several times throughout this survey. Before today, had you ever seen or heard of the abbreviation STEM, which stands for **S**cience, **T**echnology, **E**ngineering and **M**athematics?

	<u>2017</u>	<u>2015</u>	<u>2013</u>
Yes.....	62%	50%	32%
No.....	37	48	66
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Not sure.....	*	*	*

5. Which of these best describes your job?

I work in a STEM job..... 16%  
 I work in a STEM industry but don't have a STEM job..... 8  
 I don't work in a STEM job or a STEM industry ..... 39  
 I am not currently employed..... 35  
 --  
 Prefer not to say ..... 1

**STEM STATEMENTS**

Here are a few short statements. After you read each one, please indicate whether you agree or disagree with the statement. There are no right or wrong answers. We're only interested in your opinion.

RANDOM ROTATE ALL		TOTAL AGREE	TOTAL DISAGR	Strong Agree	Smw Agree	Smw Disagr	Strong Disagr	Not Sure
6.	The next generation of Washingtonians will have more opportunities if they have strong STEM skills	<b>89%</b>	<b>6%</b>	60%	29%	5%	1%	5%
	<u>2017</u>	91%	6%	63	28	4	2	3
	<u>2015</u>	92%	5%	65	27	3	2	3
	<u>2013</u>	92%	4%	72	20	2	2	4
7.	Increased focus on STEM education in Washington will improve the state's economy	<b>81%</b>	<b>7%</b>	47	34	5	2	12
	<u>2017</u>	82%	12%	43	40	8	4	6
	<u>2015</u>	81%	12%	45	36	8	4	7
	<u>2013</u>	83%	9%	50	33	6	4	7
8.	Increased focus on STEM education in Washington will improve the economy in my region	<b>77%</b>	<b>10%</b>	43	34	9	1	13
	<u>2017</u>	79%	13%	42	37	9	4	8
	<u>2015</u>	81%	13%	43	38	9	4	6
	<u>2013</u>	81%	12%	47	34	6	5	8
9.	There are not enough women working in STEM careers	<b>61%</b>	<b>21%</b>	33	28	8	12	19
	<u>2017</u>	58%	18%	33	25	9	9	24
	<u>2015</u>	58%	21%	33	25	14	6	22
	<u>2013</u>	53%	18%	21	36	11	7	25
10.	There are not enough racial and ethnic minorities working in STEM careers	<b>49%</b>	<b>29%</b>	24	24	15	13	23
	<u>2017</u>	49%	25%	27	22	14	11	26
	<u>2015</u>	46%	29%	26	20	16	14	25
	<u>2013</u>	38%	29%	20	19	17	12	33
11.	Overall, Washington provides students with a high-quality STEM education.	<b>42%</b>	<b>33%</b>	11	31	21	12	25
12.	Washington K-12 teachers are doing a good job at teaching STEM subjects	<b>38%</b>	<b>32%</b>	6	32	20	12	30
13.	Washington colleges and universities are doing a good job of preparing students for careers in STEM fields	<b>55%</b>	<b>22%</b>	16	39	15	7	23
	<u>2017</u>	58%	20%	21	38	11	9	21
	<u>2015</u>	66%	15%	27	39	9	5	19
	<u>2013</u>	56%	18%	21	36	11	7	25



14.	STEM skills are in increasing demand in Washington's economy	<b>83%</b>	<b>4%</b>	53	30	3	1	13
	<u>2017</u>	83%	6%	53	30	4	2	11
	<u>2015</u>	82%	8%	53	29	6	2	10
	<u>2013</u>	78%	7%	48	30	5	2	15
15.	Every child should have access to a high-quality STEM education in Washington's kindergarten through 12 <sup>th</sup> grade public schools	<b>90%</b>	<b>5%</b>	64	25	4	1	6
	<u>2017</u>	94%	4%	73	22	3	2	2
	<u>2015</u>	94%	4%	72	20	2	2	4
16.	Children who grew up in poverty will have a better chance to break the cycle of poverty if they have a strong STEM education	<b>85%</b>	<b>8%</b>	51	33	5	3	8
	<u>2017</u>	88%	9%	61	27	5	3	4
17.	All students should be equipped with a STEM education, even if they aren't going into a STEM career	<b>78%</b>	<b>18%</b>	36	42	13	4	5
18.	It is important for students at every level to have access to career-connected learning opportunities like internships, youth apprenticeships, and real-world project-based learning, which expose them to high-demand careers in their region	<b>94%</b>	<b>2%</b>	68	27	2	*	4
	<u>2017</u>	92%	6%	65	27	5	1	2
19.	A four-year college degree is necessary to be successful in a STEM-related job.	<b>47%</b>	<b>44%</b>	16	31	30	14	10
20.	When students receive a good STEM education, they learn important critical thinking and life skills	<b>80%</b>	<b>13%</b>	47	33	10	3	6
21.	Most of the jobs and positions that pay a living wage in Washington involve STEM skills.	<b>64%</b>	<b>18%</b>	24	41	12	6	18
22.	The state needs to do more to provide students and the public with information about fast growing, high paying jobs, including where they are located and the schooling and training requirements to get those jobs.	<b>84%</b>	<b>8%</b>	49	35	5	3	8
23.	Partnering with regional organizations that have local expertise ensures that students receive information about the careers that are growing in different regions of the state.	<b>80%</b>	<b>6%</b>	33	47	4	2	15

24. Which of these comes closest to your own opinion? (ROTATE STATEMENTS)

In Washington State, if someone wants a good STEM-related job, they will need to get a four-year degree.....	24%
In Washington State, people can get a good STEM-related job if they get a credential like an apprenticeship, industry certificate, or two-year degree.....	52
Not sure.....	24

**EARLY STEM**

Switching gears, for the next several questions, you'll see the phrase "early STEM concepts." **Early STEM concepts refers to basics like shapes, numbers, and counting.**

Here are a few statements about teaching early STEM concepts to children before they enter kindergarten. After you read each one, please indicate whether you agree or disagree with the statement. There are no wrong answers. We're only interested in your opinion.

**RANKED BY TOTAL AGREE**

RANDOM ROTATE ALL		TOTAL AGREE	TOTAL DISAGR	Strong Agree	Smwt Agree	Smwt Disagr	Strong Disagr	Not Sure
25.	Children should be exposed to early STEM concepts from a young age	90%	5%	58%	32%	4%	1%	5%
26.	Early exposure to STEM concepts is important to students' success in school and in life.	85%	8%	51	34	6	2	7
27.	Childcare providers and preschool teachers are well prepared to support children's early STEM learning.	30%	44%	11	19	28	15	26
28.	Parents and other primary caregivers are well prepared to support children's early STEM learning.	28%	52%	13	16	37	15	19

**SKILLS GAP**

Changing directions...

29. Some say that Washington's economy is being hurt because there aren't enough workers with STEM credentials to fill the jobs that are being created by fast growing STEM businesses and industries. Before today, how much have you heard or read about this particular issue?

- GREAT DEAL/FAIR AMOUNT/SOME ..... 70%
- A great deal ..... 13%
- A fair amount ..... 23
- Some but not much..... 34
- This is the first I've heard about this ..... 26
- 
- Not sure ..... 4

30. In your opinion, does your region of Washington face this problem (lack of workers with STEM credentials to fill open STEM jobs)?

- It is a big problem in my region of WA..... 15%
- It is somewhat of a problem in my region of WA..... 36
- No, this isn't a problem in my region of WA..... 18
- 
- Not sure..... 30

31. Here is a short statement with some information about Washington’s job market. Please indicate how concerning you find this information.

Over the next 5 years, nearly 240,000 good-paying jobs in STEM-related fields may go unfilled by Washington residents because local workers won’t have the necessary skills and credentials to meet the job requirements. And unless we take action to give the next generation the STEM skills and credentials they need to take advantage of these opportunities, that number is expected to grow to over 360,000 unfilled jobs by 2026.

How concerning, if at all, do you find this information?

**EXTREMELY/SOMEWHAT CONCERNING ..... 69%**  
**SOMEWHAT/NOT CONCERNING ..... 23%**

Extremely concerning ..... 32%  
 Pretty concerning ..... 38

Only somewhat concerning ..... 17  
 Not concerning ..... 5  
 --  
 Not sure ..... 8

Here is a short list of steps Washington could take to address the number of jobs that are going unfilled in our state due to a shortage of workers with STEM credentials. Please indicate whether you support or oppose each one.

**RANKED BY TOTAL SUPPORT**

RANDOM ROTATE ALL		TOTAL SUPPORT	TOTAL OPPOSE	Strong Support	Smwt Support	Smwt Oppose	Strongly Oppose	Not Sure
32.	Prioritize career-connected learning opportunities that expose children to STEM careers and teach STEM skills, such as job shadowing in STEM jobs, STEM internships, youth apprenticeships, and worksite visits	<b>88%</b>	<b>7%</b>	54%	35%	6%	1%	5%
33.	Work with parents and guardians to encourage students to study STEM subjects or pursue a career in a STEM field	<b>82%</b>	<b>10%</b>	44	37	6	3	8
34.	Change high school graduation requirements so that students must take more STEM classes before graduating	<b>66%</b>	<b>25%</b>	30	36	18	6	9



**COMPUTER SCIENCE**

Moving on, computer science is one of Washington's highest paying and highest demand skill sets across the state. However, Washington's education system does not provide enough students with computer science training and degrees to keep up with the available jobs. Here are a few ideas that have been proposed to address this issue. After you read each one, please indicate whether you support or oppose each idea.

**RANKED BY TOTAL SUPPORT**

RANDOM ROTATE ALL		TOTAL SUPPORT	TOTAL OPPOSE	Strong Support	SW Support	SW Oppose	Strong Oppose	Prefer not to say
35.	Expand the number of K-12 public schools in Washington that offer computer science classes	<b>89%</b>	<b>8%</b>	55%	34%	5%	3%	3%
	<u>2017</u>	91%	6%	56	35	4	2	3
	<u>2015</u>	90%	7%	58	32	4	3	2
36.	Increase the capacity of Washington State colleges and universities to graduate more Washington students with computer science degrees	<b>83%</b>	<b>11%</b>	43	40	9	2	6
	<u>2017</u>	86%	10%	47	39	7	3	4
	<u>2015</u>	85%	12%	49	36	9	3	3

**DEMOGRAPHICS**

This is the last part. These questions are just for statistical purposes.

37. Are you the parent or guardian of a child aged 18 or younger who attends a public school in Washington?
- My school-aged child(ren) attend a public school in WA..... 25%
  - My school-aged child(ren) does *not* attend a public school in Washington ..... 8
  - I am not the parent/guardian of a school-aged child ..... 66
  - 
  - Prefer not to say ..... 1

38. Would you consider the community where you live to be...
- A big city ..... 17%
  - Suburban ..... 50
  - Small town ..... 17
  - Rural ..... 15
  - Prefer not to say ..... \*

Thank you very much for your time and responses!



GENDER

Male	49%
Female	51

REGION

King County	30%
Northwest	17
Southwest / Peninsula	31
Eastern Washington	22

AGE

18-34	24%
35-49	24
50-64	30
65+	22

RACE

White	80%
African American	2
Hispanic	7
Asian	4
Native American	1
Mixed	4
Other	2

EDUCATION

No H.S	1%
H.S. graduate	20
Some college	25
2-year degree	13
4-year degree	25
Post-graduate	16

PARTY SELF-ID

Democrat / Lean	47%
Independent	20
Republican / Lean	32
Other/not sure	1

IDEOLOGY

Liberal	32%
Conservative	33
Conservative	32
Not sure	3