

DNR = Volunteered response, do not read
 * indicates responses totaled 0.4% or less

Hello, may I please speak with **[NAME ON LIST]**? My name is _____ from _____, a public opinion polling firm. We're not selling anything and I will not ask for a donation at any time. We are conducting a short survey about some issues people have been talking about lately in your area. It will take only a few minutes and all responses will be anonymous and used only for research purposes.

SCREENING

1. To start, are you at least 18 years old and registered to vote at your current address in Washington State? **(IF YES)** Which of the following best describes your age? Just stop me when I read the right category. **(READ LIST)**

18-24	8%
25-34	16
35-49	24
50-64	28
65+	23
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DK/NA/REFUSED.....	TERMINATE
Not old enough / Not registered / Not WA	TERMINATE

2. Do you or does anyone in your household work in any of the following industries? You can just say yes or no as I read each one. **(READ LIST)**

Technology	12%
Manufacturing.....	6
Medicine or bioscience	8
Engineering	6
Education.....	18
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None of these	58

BASIC EDUCATION

3. Would you say you are satisfied or dissatisfied with the job that Washington's public schools are doing at preparing students for good jobs and opportunities in the state? **(PROBE)** Is that very <satisfied/dissatisfied> or only somewhat?

	<u>2015</u>	<u>2013</u>
SATISFIED	47%	43%
DISSATISFIED	34%	46%
Very satisfied	13%	9%
Somewhat satisfied.....	35	34
Somewhat dissatisfied	20	26
Very dissatisfied.....	15	20
Neither (DNR)	5	1
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DK/NA/REFUSED.....	13	10

4. You will hear me use the abbreviation STEM **(READ AS A WORD, NOT INDIVIDUAL LETTERS)** several times throughout this survey. Before today, had you ever heard of the abbreviation STEM, which stands for Science, Technology, Engineering and Mathematics?

	<u>2015</u>	<u>2013</u>
Yes	50%	32%
No.....	48	66
Can't remember / maybe (DNR)	2	3
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DK/NA/REFUSED.....	*	*

5. As you may know, the state of Washington has a constitutional obligation to provide a basic education, which means students are given the opportunity to develop the knowledge and skills necessary to graduate with a meaningful high school diploma that prepares them for postsecondary education, gainful employment, and citizenship. Do you think ensuring that every student receives a high-quality STEM education is a necessary part of the state's obligation to provide basic education?

Yes 83%
 No..... 13
 --
 DK/NA/REFUSED..... 4

Looking at this another way...

6. In your opinion, is a high-quality education in STEM subjects like math and science a very important part of the state's obligation to provide basic education, a fairly important part, or only a somewhat important part?

Very important 71%
 Fairly important 20
 Only somewhat important 8
 --
 DK/NA/REFUSED..... 1

FUNDING PRIORITIES

Moving on, as you may know, the state's supreme court recently ruled that the state is inadequately funding public education and has ordered that education funding be increased. I'm going to read you a list of ways the state could use that additional funding. Obviously, tax dollars are limited and while these all might be important, I'd like you to tell me how you would prioritize limited resources. As I read each of the following, please tell me if you think each one should be an absolute top priority, a high but not top priority, a medium priority, or a lower priority for additional funding.

RANDOM ROTATE ALL		TOTAL TOP/HIGH	TOTAL MED/LOWER	Top	High	Med	Lower	DK/NA
7.	Ensuring all students have an equal opportunity for a great STEM education, regardless of their gender, race, income, or community	83%	16%	44%	40%	11%	4%	1%
8.	Improving STEM education programs like math and science	76%	21%	32	44	18	3	2
9.	Expanding middle school and high school level career and technical education programs in high-demand, high-paying industries	75%	23%	28	46	19	4	2
10.	Increasing resources to schools with high rates of student poverty	71%	26%	31	40	20	6	3
11.	Expanding career-connected learning opportunities, like job shadowing, internships, youth apprenticeships, worksite visits, and real-world project based learning	71%	27%	32	39	21	6	2
12.	Increasing the number of schools that offer computer science classes	64%	33%	22	42	27	6	3
13.	Increasing teacher pay	60%	36%	26	34	25	11	4
14.	Invest state capital funding to improve, renovate, or build STEM classrooms and purchase updated STEM equipment	53%	43%	18	36	34	10	3

STEM STATEMENTS

I'm going to read a few short statements. After I read each one, please tell me if you agree or disagree with the statement. There are no wrong answers. I'm only interested in your opinion. Here's the first one... **(PROBE)** Is that strongly <agree/disagree> or only somewhat?

RANDOM ROTATE ALL		AGREE	DISAGR	Strong Agree	SW Agree	SW Disagr	Strong Disagr	DK/ REF
15.	The next generation of Washingtonians will have more opportunities if they have strong STEM skills	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
16.	Increased focus on STEM education in Washington will improve the state's economy	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
17.	Increased focus on STEM education in Washington will improve the economy in my region	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
18.	Many more companies would move to or expand to Washington if the state had a reputation for workers with great science and math skills	75%	18%	39	37	10	8	6
	<u>2015</u>	74%	18%	40	33	11	7	8
	<u>2013</u>	79%	14%	48	31	8	6	7
19.	There are not enough women working in STEM careers	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
20.	Overall, the quality of STEM education in Washington is high	42%	29%	10	32	19	11	28
	<u>2015</u>	45%	32%	10	34	22	10	24
	<u>2013</u>	42%	31%	11	30	20	11	27
21.	Washington teachers are doing a good job at teaching STEM subjects	51%	23%	14	37	14	9	26
	<u>2015</u>	53%	23%	18	35	14	8	24
	<u>2013</u>	46%	27%	12	34	15	13	27
22.	Washington colleges and universities are doing a good job of preparing students for careers in STEM fields	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

		AGREE	DISAGR	Strong Agree	SW Agree	SW Disagr	Strong Disagr	DK/ REF
23.	STEM skills are in increasing demand in Washington's economy	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
24.	There are not enough racial and ethnic minorities working in STEM careers	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
25.	Every child should have access to a high quality STEM education in Washington's K-12 public schools	94%	4%	73	22	3	2	2
	<u>2015</u>	94%	4%	72	20	2	2	4
26.	Children who grew up in poverty will have a better chance to break the cycle of poverty if they have a strong STEM education	88%	9%	61	27	5	3	4
27.	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	92%	6%	65	27	5	1	2

SKILLS GAP

Changing directions...

28. Some say that Washington's economy is being hurt because there aren't enough workers with strong STEM skills to fill the jobs that are being created by fast growing STEM businesses and industries. Before today, had you ever heard or read anything about this particular issue? **(IF YES)** Based on what you have heard or seen, would you say this is an extremely serious problem, a very serious problem, only somewhat serious, or is it not a problem?

TOTAL AWARENESS	46%	<u>2015</u> 46%	<u>2013</u> 42%
EXTR+VERY SERIOUS PROBLEM	21%	19%	23%
SW+NOT SERIOUS PROBLEM	25%	27%	19%
Extremely serious	7	6%	6%
Very serious.....	14	14	17
Only somewhat serious.....	21	22	17
Not a problem	4	6	2
Never heard of this issue before today	52	53	48
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DK/NA/REFUSED.....	2	1	9

I'm going to read a short list of ideas that have been suggested to address the number of jobs that are going unfilled in our state due to a shortage of workers with strong math and science skills. I'd like you to tell me if you think each one would be a good idea or a bad idea for addressing this issue. Here is the first one... **(PROBE)** Would you say that is a very <good/bad> idea or would you not say that?

RANDOM ROTATE ALL		GOOD IDEA	BAD IDEA	Very Good	Good	Bad	Very Bad	DK/ REF
29.	Offer consistent and high quality teacher training in STEM classroom subjects like math and science	95%	3%	57%	38%	2%	1%	2%
	<u>2015</u>	94%	4%	57	37	3	1	2
30.	Expand career-connected learning opportunities, like job shadowing, internships, youth apprenticeships, worksite visits, and real-world project based learning	94%	3%	54	40	2	1	3
31.	Expand out of school and after school programs that engage young people in hands-on STEM learning	92%	5%	48	44	4	1	2
32.	Work with parents and guardians to encourage students to study STEM subjects or pursue a career in a STEM field	90%	7%	37	52	5	2	4
	<u>2015</u>	89%	8%	46	43	6	2	3
	<u>2013</u>	93%	5%	42	51	4	1	2
33.	Increase the number of college students graduating with a degree in a STEM field	87%	6%	41	46	4	2	7
	<u>2015</u>	86%	6%	41	45	4	2	7
	<u>2013</u>	88%	6%	36	52	5	1	6
34.	Improve early learning programs for children before they enter kindergarten	69%	25%	34	35	19	6	6
	<u>2015</u>	71%	25%	38	33	18	6	4
	<u>2013</u>	69%	27%	37	32	22	5	4
35.	Change high school graduation requirements so that students must take more STEM classes before graduating	64%	28%	27	37	22	7	8
	<u>2015</u>	65%	25%	30	36	20	4	10
	<u>2015</u>	74%	20%	29	45	16	4	6

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 I read each one, please tell me if you support or oppose each idea. Here is the first one...

RANDOM ROTATE ALL		SUPPORT	OPPOSE	Strong Support	SW Support	SW Oppose	Strong Oppose	DK/ REF
36.	Help more K-12 teachers teach computer science by giving them training and a computer science curriculum	91%	7%	57%	35%	4%	3%	2%
	<u>2015</u>	91%	8%	58	33	5	3	1
37.	Expand the number of K-12 public schools in Washington that offer computer science classes	91%	6%	56	35	4	2	3
	<u>2015</u>	90%	7%	58	32	4	3	2
38.	Increase the capacity of Washington State colleges and universities to graduate more Washington students with computer science degrees	86%	10%	47	39	7	3	4
	<u>2015</u>	85%	12%	49	36	9	3	3

PUBLIC PRIVATE PARTNERSHIPS

ROTATE Q39 AND Q40

39. Would you support or oppose Washington state teaming up with the private sector to increase the number of schools that offer computer science classes? Half of the cost of expanding computer science classes would be covered with public dollars and half would be covered by businesses, foundations, and other sources.

SUPPORT **85%**
OPPOSE **10%**

Strongly support.....53%
 Somewhat support.....33

Somewhat oppose5
 Strongly oppose.....5
 --
 DK/NA/REFUSED.....5

40. Would you support or oppose Washington state teaming up with the private sector to expand career-connected learning opportunities, like job shadowing, internships, youth apprenticeships, worksite visits, and real-world project based learning? Half of the costs would be covered with public dollars and half would be covered by businesses, foundations, and other sources.

SUPPORT **90%**
OPPOSE **7%**

Strongly support.....59%
 Somewhat support.....31

Somewhat oppose2
 Strongly oppose.....4
 --
 DK/NA/REFUSED.....4

ACADEMIC STANDARDS

41. Switching gears, do you support or oppose Washington State's new Kindergarten through 12th grade learning standards in English, math, and science? These standards describe what students should know and be able to do at each grade level in order to prepare them for careers and college in the 21st century. **(PROBE)** Is that strongly <support/oppose> or not so strongly?

		<u>2015</u>
SUPPORT	67%	62%
OPPOSE	16%	18%
Strongly support.....	38%	33%
Somewhat support.....	28	29
Somewhat oppose	6	7
Strongly oppose.....	10	10
--		
DK/NA/REFUSED.....	17	20

DEMOGRAPHICS

I have just a few questions left for statistical purposes.

42. What is the highest level of education you have fully completed? **(READ LIST)**

Less than high school	1%
High school or GED	19
Some college or associates degree	30
Bachelors degree.....	27
Postgraduate or advanced degree	22
--	
DK/NA/REFUSED.....	1

43. Regardless of how you plan to vote, in politics, as of today, do you consider yourself **(ROTATE:)** a Republican, a Democrat, or an independent? **(PROBE)** Would you say you are a strong <Democrat/Republican> or a not strong <Democrat/Republican>? **(IF INDEPENDENT:)** As of today, do you lean more to the Democratic Party or the Republican Party?

DEMOCRATIC	39%
REPUBLICAN	24%
Strong Democrat.....	24%
Not strong Democrat.....	7
Independent, lean Democratic	8
Independent.....	26
Independent, lean Republican.....	5
Not strong Republican	6
Strong Republican	13
Something else	4
--	
DK/NA/REFUSED.....	7

44. Are you the parent or guardian of a child aged 18 or younger? **(IF YES)** Does your child attend a public school in Washington?

PARENT OR GUARDIAN	33%
Parent or guardian, child in public schools	26%
Parent or guardian, child <u>NOT</u> in public schools.....	8
No, not a parent or guardian	66
--	
DK/NA/REFUSED.....	1

ONLY READ IF PARENT

45. What grade is your child or children currently enrolled in? If you have more than one child, you can select more than one grade. **(ACCEPT UP TO 7 RESPONSES)**

Not in school.....	5%
Pre-school	2
Kindergarten	3
1 st thru 3 rd grade.....	7
4 th thru 5 th grade.....	6
6 th thru 8 th grade.....	8
9 th thru 12 th grade.....	14
--	
DK/NA/REFUSED.....	1
NOT ASKED QUESTION.....	67

46. Are you of a Hispanic, Latino, or Spanish-speaking background? **(IF NO:)** How would you describe your race? **(READ LIST)**

White or Caucasian.....	81%
Hispanic or Latino	7
Asian or Pacific Islander.....	3
Black or African American.....	2
Native American	1
Something else	2
--	
DK/NA/REFUSED.....	4

47. Please estimate your combined household income in 2016. Your best guess is fine. I don't need to know your exact income. I'll read you some categories and you can stop me when I get to the right one. **(READ LIST)**

Less than \$25,000	9%
At least \$25,000 but less than \$50,000	16
At least \$50,000 but less than \$75,000	16
At least \$75,000 but less than \$100,000	16
At least \$100,000 but less than \$150,000	14
At least \$150,000 but less than \$200,000	6
\$200,000 or more	7
--	
DK/NA/REFUSED.....	16

48. Would you describe the community you live in as a big city, suburban, a small town, or rural?

A big city	19%
Suburban	33
Small town.....	26
Rural.....	20
--	
DK/NA/REFUSED.....	2

49. In the 2016 election for president, did you vote for Democrat Hilary Clinton or Republican Donald Trump?

Clinton	44%
Trump	29
Someone else (DNR)	5
Didn't vote (DNR)	10
--	
DK/NA/REFUSED.....	12

ONLY ASK IF MOBILE

50. Is there currently a functioning landline telephone in your household?

Mobile phone only.....	25%
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GENDER

Male	48%
Female	52

REGION

King County	29%
Northwest	17
Southwest / Peninsula	34
Eastern Washington	20

SAMPLE

Landline	58%
Mobile	42