

1. Gender

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Male.....	48%	48%	47%	48%
Female.....	52	52	53	52

DNR = Volunteered response, do not read

Hello, 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.

ASK FOR YOUNGEST PERSON IN HOUSEHOLD AGED 18 OR OLDER

2. First, have I reached you on a landline or mobile telephone?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Landline.....	64%	67%	70%	70%
Mobile.....	36	33	30	30

ONLY READ IF MOBILE

3. Are you in a place where you can safely take this survey?

Yes.....	CONTINUE
No.....	SCHEDULE CALL BACK

4. Are you 18 years or older and registered to vote at your home address in Washington?

Yes, registered.....	CONTINUE
No, not registered.....	ASK TO SPEAK TO REGISTERED VOTER IN HOUSEHOLD
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DK/NA/REFUSED.....	ASK TO SPEAK TO REGISTERED VOTER IN HOUSEHOLD

5. Which of the following best describes your age? **(READ LIST)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
18-29.....	16%	16%	11%	11%
30-34.....	8	8	8	6
35-44.....	16	20	18	18
45-54.....	19	19	20	21
55-64.....	19	18	20	20
65-74.....	12	10	15	14
75+.....	9	7	7	8
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DK/NA/REFUSED.....	1	1	*	1

6. To start, 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>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Yes.....	32%	29%	29%	24%
No.....	66	68	68	73
Can't remember / maybe (DNR).....	3	3	1	3
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DK/NA/REFUSED.....	*	*	1	*

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. Here's the first one...
(PROBE) Is that strongly <agree/disagree> or only somewhat?

TABLE SORTED BY TOTAL AGREE

RANDOM ROTATE ALL		TOTAL AGREE	TOTAL DISAG.	Strong Agree	SW Agree	SW Disag.	Strong Disag.	DK/ REF
7.	The next generation of Washingtonians will have more opportunities if they have strong STEM skills	92%	4%	72%	20%	2%	2%	4%
	<u>S King Co.:</u>	94	3	68	25	1	2	3
	<u>Spokane:</u>	91	6	64	26	4	2	3
	<u>Yakima:</u>	91	5	64	27	4	1	3
8.	Increased focus on STEM education in Washington will improve the state's economy	83%	9%	50	33	6	4	7
	<u>S King Co.:</u>	84	7	52	32	6	2	9
	<u>Spokane:</u>	81	11	48	34	7	4	8
	<u>Yakima:</u>	85	8	42	43	4	4	7
9.	Increased focus on STEM education in Washington will improve the economy in my region	81%	12%	47	34	6	5	8
	<u>S King Co.:</u>	85	8	46	39	5	3	7
	<u>Spokane:</u>	78	15	41	36	9	6	7
	<u>Yakima:</u>	76	14	37	38	9	5	10
10.	Many more companies would move to or expand to Washington if the state had a reputation for workers with great science and math skills	79%	14%	48	31	8	6	7
	<u>S King Co.:</u>	76	15	37	39	9	6	9
	<u>Spokane:</u>	74	15	42	32	8	7	11
	<u>Yakima:</u>	79	14	45	34	9	5	7
11.	STEM skills are in increasing demand in Washington's economy	78%	7%	48	30	5	2	15
	<u>S King Co.:</u>	82	7	48	34	5	2	11
	<u>Spokane:</u>	76	13	40	36	9	3	11
	<u>Yakima:</u>	77	7	42	35	6	1	16
12.	There are not enough STEM jobs available for rural Washingtonians	57%	16%	26	30	11	4	27
	<u>S King Co.:</u>	53	18	23	30	13	5	29
	<u>Spokane:</u>	66	13	35	31	11	2	21
	<u>Yakima:</u>	62	17	31	31	14	3	21
13.	Washington colleges and universities are doing a good job of preparing students for careers in STEM fields	56%	18%	21	36	11	7	25
	<u>S King Co.:</u>	60	16	19	41	12	4	24
	<u>Spokane:</u>	54	23	17	37	13	10	23
	<u>Yakima:</u>	53	18	17	36	10	8	28
14.	There are not enough women working in STEM careers	53%	18%	30	23	11	7	29
	<u>S King Co.:</u>	61	18	33	28	11	6	22
	<u>Spokane:</u>	47	26	25	22	19	7	27
	<u>Yakima:</u>	53	21	29	24	14	6	26

TABLE CONTINUED, SORTED BY TOTAL AGREE

		TOTAL AGREE	TOTAL DISAG.	Strong Agree	SW Agree	SW Disag.	Strong Disag.	DK/ REF
15.	Washington teachers are doing a good job at teaching STEM subjects	46%	27%	12	34	15	13	27
	<u>S King Co.:</u>	50	25	12	39	15	10	24
	<u>Spokane:</u>	49	29	12	37	17	12	21
	<u>Yakima:</u>	46	28	15	31	14	13	26
16.	Overall, the quality of STEM education in Washington is high	42%	31%	11	30	20	11	27
	<u>S King Co.:</u>	40	38	13	27	25	13	22
	<u>Spokane:</u>	42	34	10	32	21	12	24
	<u>Yakima:</u>	38	37	5	32	29	7	26
17.	There are not enough racial and ethnic minorities working in STEM careers	38%	29%	20	19	17	12	33
	<u>S King Co.:</u>	39	34	21	18	20	14	28
	<u>Spokane:</u>	40	30	15	25	17	13	30
	<u>Yakima:</u>	39	33	23	17	19	14	28
18.	People who work in science, technology, engineering and math jobs don't have as much fun as people who work in other jobs	11%	79%	3	8	21	58	11
	<u>S King Co.:</u>	11	76	3	8	22	54	13
	<u>Spokane:</u>	11	79	4	7	22	58	10
	<u>Yakima:</u>	13	78	3	10	23	56	9

19. Changing directions, 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?

	TOTAL	S King Co.	Spokane	Yakima
TOTAL SATISFIED	43%	41%	49%	44%
TOTAL DISSATISFIED	46	47	44	46
Very satisfied	9	10	9	10
Somewhat satisfied.....	34	32	39	34
Somewhat dissatisfied	26	27	24	24
Very dissatisfied.....	20	20	21	22
Neither (DNR).....	1	1	2	1
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DK/NA/REFUSED.....	10	11	5	9

20. In your opinion, when it comes to math and science, do schools these days expect too much of students, are expectations about right, or are expectations too low?

	TOTAL	S King Co.	Spokane	Yakima
Too much.....	5%	4%	5%	4%
About right	18	16	25	32
Too low	69	71	62	56
It depends (DNR).....	3	3	2	2
--				
DK/NA/REFUSED.....	6	6	7	7

21. In your opinion, who plays the most important role in inspiring and preparing young people in STEM education? Is it... **(READ LIST)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Parents or guardians.....	49%	51%	50%	56%
Teachers.....	32	32	34	30
Business leaders and STEM professionals	3	3	4	3
Out of school programs and experiences	5	5	5	4
College professors	2	3	3	3
Or is it someone else?	4	4	2	3
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DK/NA/REFUSED.....	5	2	2	2

22. People have different opinions about why some students might be struggling in math and science subjects. Which of the following do you think is a reason for why some students struggle in math and science? You can pick a few if you'd like. **(ROTATE AND READ LIST; ACCEPT UP TO FIVE RESPONSES)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Parents do not encourage students to study math and science.....	57%	57%	59%	56%
Students don't think the subjects are relevant	45	35	47	37
Students think the subjects are too hard	43	46	43	38
There are not enough good teachers	41	37	35	34
Some students just aren't cut out for math and science.....	35	33	36	34
None of these (DNR)	3	2	3	2
--				
DK/NA/REFUSED.....	1	1	*	1

23. 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?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
TOTAL SERIOUS.....	23%	24%	18%	12%
TOTAL NOT SERIOUS	19	26	24	19
Extremely serious	6	8	3	2
Very serious.....	17	16	15	10
Only somewhat serious.....	17	22	21	17
Not a problem	2	4	4	2
Never heard of this issue before today.....	48	48	47	60
Can't recall if heard about issue (DNR)	8	1	9	8
--				
DK/NA/REFUSED.....	1	1	2	1

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 that 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?

TABLE SORTED BY TOTAL GOOD

RANDOM ROTATE ALL		TOTAL GOOD	TOTAL BAD	Very Good	Good	Bad	Very Bad	DK/ REF
24.	Expand out of school programs and internships	94%	4%	49%	45%	3%	*	3%
	<u>S King Co.:</u>	95	3	52	43	3	*	2
	<u>Spokane:</u>	94	3	43	51	2	*	3
	<u>Yakima:</u>	94	3	44	50	2	1	3
25.	Work with parents and guardians to encourage students to study STEM subjects or pursue a career in a STEM field	93%	5%	42	51	4	1	2
	<u>S King Co.:</u>	93	5	42	51	3	2	2
	<u>Spokane:</u>	90	6	39	51	4	1	4
	<u>Yakima:</u>	93	5	38	55	5	*	1
26.	Increase the number of college students graduating with a degree in a STEM field	88%	6%	36	52	5	1	6
	<u>S King Co.:</u>	92	3	43	50	2	*	5
	<u>Spokane:</u>	88	7	36	52	5	1	5
	<u>Yakima:</u>	88	7	31	57	7	1	5
27.	Change high school graduation requirements so that students must take more STEM classes before graduating	74%	20%	29	45	16	4	6
	<u>S King Co.:</u>	75	22	28	47	20	2	3
	<u>Spokane:</u>	69	28	25	43	26	2	4
	<u>Yakima:</u>	72	23	20	52	21	2	5
28.	Improve early learning programs for children before they enter kindergarten	69%	27%	37	32	22	5	4
	<u>S King Co.:</u>	70	27	35	35	24	4	2
	<u>Spokane:</u>	66	32	32	34	26	6	2
	<u>Yakima:</u>	66	27	31	36	20	7	7

29. You may have heard some publicity recently regarding something called Common Core State Standards. Before today, how familiar were you with Common Core State Standards, also sometimes referred to as simply Common Core? **(READ LIST)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
TOTAL FAMILIAR	11%	12%	10%	11%
TOTAL UNFAMILIAR	86	86	86	86
Extremely familiar	4	3	3	2
Very familiar	7	9	7	9
Only somewhat familiar	31	30	34	24
Or have you never heard of it before today?	55	55	53	62
--				
DK/NA/REFUSED.....	3	2	4	2

30. I'd like to give you some more information. Common Core is a different approach to learning, teaching and testing. Developed and used by 46 states, these standards provide a deeper understanding of key concepts in math and English-language arts. They require practical, real-life application of knowledge that prepares Washington students for success in work and life. After hearing a bit more, would you say you generally support or oppose Common Core? **(PROBE)** Is that strongly <support/oppose> or not so strongly?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
TOTAL SUPPORT	80%	81%	84%	85%
TOTAL OPPOSE	8	7	10	9
Strongly support.....	36	34	42	38
Somewhat support.....	44	47	42	46
Somewhat oppose	5	5	6	8
Strongly oppose.....	3	2	5	1
--				
DK/NA/REFUSED.....	13	11	5	6

31. The state is currently deciding whether it should adopt science standards that are similar to Common Core. These standards are known as Next Generation Science Standards. Do you believe Washington should adopt the Next Generation Science Standards? **(PROBE)** Is that strongly <support/oppose> or not so strongly?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Yes, should adopt.....	68%	70%	71%	73%
No, should not adopt.....	6	9	10	17
Depends/ Need more info (DNR)	17	12	12	6
--				
DK/NA/REFUSED.....	9	8	7	3

Here are some arguments that have been made by supporters of Common Core State Standards and Next Generation Science Standards. After I read each one, please tell me if you find each one to be an extremely good reason, a very good reason, a somewhat good reason, or not a good reason to support these standards.

TABLE SORTED BY TOTAL GOOD

RANDOM ROTATE ALL		GOOD	NOT GOOD	Extreme Good	Very Good	SW Good	Not Good	DK/ REF
32.	They teach real-life application of knowledge and practical skills students need to be successful in work, college and life such as problem-solving and communication	75%	22%	36%	39%	19%	3%	3%
	<u>S King Co.:</u>	70	25	36	34	24	1	5
	<u>Spokane:</u>	74	22	32	42	18	4	3
	<u>Yakima:</u>	80	17	35	45	16	1	3
33.	They are designed to help students acquire the math and science skills they need to be successful in Washington's economy	70%	25%	25	45	22	3	5
	<u>S King Co.:</u>	64	31	20	44	27	4	5
	<u>Spokane:</u>	66	30	25	40	25	5	4
	<u>Yakima:</u>	68	28	24	44	23	5	4
34.	They provide consistent learning expectations for all students no matter where they live	64%	33%	26	38	28	5	3
	<u>S King Co.:</u>	62	36	27	35	30	6	2
	<u>Spokane:</u>	62	33	23	39	27	7	4
	<u>Yakima:</u>	61	37	23	39	32	5	2
35.	Teachers will have more time and flexibility to teach and explore critical topics	56%	38%	23	33	31	7	7
	<u>S King Co.:</u>	53	42	18	34	31	10	6
	<u>Spokane:</u>	53	43	23	30	33	9	4
	<u>Yakima:</u>	56	36	19	37	29	7	8

Changing directions, I'm going to read you facts some people have said they are concerned about. After I read each one, please tell me if you personally find the information extremely compelling, very compelling, only somewhat compelling or not at all compelling reason to improve STEM education in Washington.

TABLE SORTD BY TOTAL COMPELLING

RANDOM ROTATE ALL		COMP	NOT COMP	Extreme Compell	Very Compell	Only SW Compell	Not at all Compell	DK/ REF
36.	51% of Washington's community college freshmen must take remedial math courses to learn things they should have learned in high school	79%	19%	46%	33%	14%	5%	2%
	<u>S King Co.:</u>	70	28	32	38	21	7	2
	<u>Spokane:</u>	79	20	39	39	14	6	1
	<u>Yakima:</u>	75	23	40	35	15	7	2
37.	In the next five years, it is estimated that at least 30,000 STEM jobs will go unfilled in Washington because we lack qualified workers	72%	25%	43	29	20	5	3
	<u>S King Co.:</u>	68	28	35	33	22	6	4
	<u>Spokane:</u>	68	28	39	30	18	11	3
	<u>Yakima:</u>	75	22	37	38	17	4	4
38.	Half of 4 th grade teachers in Washington teach less than 2 hours of science per week. Only four states in the country reported less science instruction	70%	28%	38	32	22	6	3
	<u>S King Co.:</u>	68	29	32	36	24	5	3
	<u>Spokane:</u>	68	30	34	34	19	10	2
	<u>Yakima:</u>	70	26	32	38	17	9	4
39.	Washington's achievement gaps in math and science have not improved in over a decade and are the 12 th largest in the country	68%	28%	37	31	23	5	4
	<u>S King Co.:</u>	61	35	27	34	24	11	4
	<u>Spokane:</u>	63	35	34	29	25	11	2
	<u>Yakima:</u>	66	27	29	37	22	6	7
40.	Washington State ranks number one in the country for the highest concentration of math and science related jobs	67%	29%	33	34	21	8	4
	<u>S King Co.:</u>	66	30	28	37	25	5	4
	<u>Spokane:</u>	62	35	35	27	26	9	3
	<u>Yakima:</u>	63	30	25	38	26	4	7
41.	In the past 10 years, growth in STEM jobs has been three times greater than non-STEM jobs	64%	30%	29	35	24	7	6
	<u>S King Co.:</u>	61	34	25	37	26	8	5
	<u>Spokane:</u>	59	36	26	33	28	8	5
	<u>Yakima:</u>	61	33	15	46	29	4	6

42. Washington ranks number one in the country for the highest concentration of software companies. Computer Science classes are currently considered an elective course in high school. Some say that computer science classes should count as a math or science credit that counts towards high school graduation requirements? Do you agree or disagree? **(PROBE)** Do you feel strongly about that or not strongly?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
TOTAL AGREE	77%	76%	75%	80%
TOTAL DISAGREE	20	21	23	18
Agree, strongly.....	57	54	57	59
Agree, not strongly.....	20	22	18	21
Disagree, not strongly.....	9	10	7	9
Disagree, strongly.....	12	11	16	9
Depends / Need more info (DNR)	1	1	*	2
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DK/NA/REFUSED.....	2	2	2	1

I have just a few questions left for statistical purposes.

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?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
DEM & LEAN	43%	48%	30%	31%
INDEPENDENT	18	19	29	18
REP & LEAN	32	24	37	41
Strong Democrat.....	25	28	18	16
Not strong Democrat.....	8	8	6	9
Independent, lean Democratic	9	12	5	6
Independent.....	18	19	29	18
Independent, lean Republican.....	7	5	8	7
Not strong Republican	7	7	9	10
Strong Republican	18	11	20	25
Something else	2	2	1	2
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DK/NA/REFUSED.....	5	7	4	7

44. Are you the parent or guardian of a child who attends a K through 12 public school in Washington?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Yes, parent or guardian	28%	24%	27%	22%
No, not a parent or guardian	70	75	72	75
--				
DK/NA/REFUSED.....	2	1	1	3

ONLY READ IF PARENT OR GUARDIAN OF CHILD WHO ATTENDS K-12 PUBLIC SCHOOL IN WA; N=168

45. What grade is your child or children currently enrolled in? **(ACCEPT UP TO 6 RESPONSES)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Pre-school	4%	4%	4%	6%
Kindergarten	7	4	12	6
1 st thru 3 rd grade.....	24	30	36	32
4 th thru 5 th grade.....	16	31	18	31
6 th thru 8 th grade.....	33	35	30	47
9 th thru 12 th grade.....	49	42	42	44
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DK/NA/REFUSED.....	3	*	4	-

46. What is the highest level of education you have received? **(READ LIST)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Less than high school	2%	2%	2%	6%
High school graduate	15	18	15	24
Some college or two year college graduate.....	31	34	34	40
Four year college graduate	34	32	33	18
Postgraduate or advanced degree	17	12	14	10
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DK/NA/REFUSED.....	2	2	2	3

47. Are you of Hispanic, Latino, or Spanish origin, such as Mexican, Puerto Rican or Cuban? **(IF NO:)** How would you describe your race? **(READ LIST)**

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
White or Caucasian.....	72%	66%	88%	73%
Black or African American.....	4	7	1	1
Native American	2	3	2	1
Asian or Pacific Islander.....	6	11	*	1
Something else	4	6	*	3
Hispanic or Latino (DNR)	9	5	5	19
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DK/NA/REFUSED.....	3	2	4	3

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

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Urban.....	27%	37%	28%	9%
Suburban	31	37	33	10
Small town.....	21	10	13	41
Rural.....	18	12	24	36
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DK/NA/REFUSED.....	3	4	3	4

49. In the 2012 election for president, did you vote for Democrat Barack Obama or Republican Mitt Romney?

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Obama.....	48%	58%	38%	37%
Romney	34	21	47%	50
Someone else (DNR).....	4	5	4	2
Didn't vote (DNR).....	4	7	2	4
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DK/NA/REFUSED.....	9	9	9	7

ONLY ASK IF REACHED ON MOBILE

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

	<u>TOTAL</u>	<u>S King Co.</u>	<u>Spokane</u>	<u>Yakima</u>
Yes	5%	4%	8%	11%
No.....	30	28	21	16
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DK/NA/REFUSED.....	1	1	*	3

That completes our survey. Thank you VERY MUCH for your time.