

Future Girls of STEM Summer Camp Pilot - Essig Supplemental Material - Results

Questions	Pre-Camp Survey Results																
	Responses																
I think school is important for my future.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I think it is important to complete school work.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I think I am a good student.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
My family encourages me to do well in math at school.	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
My family encourages me to do well in science at school.	1	0	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1
My family thinks going to college is important.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Math is fun.	1	0	1	0	1	1	1	1	0	1	0	1	1	1	0	0	1
I think math is hard	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	1	0
I am good at math.	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0.5
I think math is frustrating.	0	0	0	0	0.5	0	0	0	1	0	1	0	0	0	1	1	1
I have been told I am good at math.	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Science is fun.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	1
Science is hard for me.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.5
I am good at science.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I think science is frustrating.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
I have been told I am good at science.	1	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1
I like to build things.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I am curious about how cars and airplanes work.	1	0	1	1	1	0	1	0	1	1	1	0	1	1	0	0	1
I am curious about how computers and tablets work.	1	1	1	1	1	0	1	0	1	1	1	0	1	1	0	1	1
In my future job, I want to help people.	1	1	1	1	0.5	1	1	1	1	0	1	1	1	1	1	0	1
I have been told I could be an engineer.	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	1
I think being an engineer would be interesting.	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	0.5
I can list some jobs an engineer does.	0	1	0	0	0	0	1	0	1	0	0	0	1	1	0	0	1
I want to be an engineer.	1	1	1	1	1	0	0	0	1	0	0	1	0	0	0	0	1
I believe I could be an engineer.	1	1	1	1	1	1	0	1	1	0	1	1	1	1	0	0	1
I have a family member who is an engineer.	0	0	0	1	1	1	0	0	1	0	0	1	0	1	0	0	1
I can describe what it means to be a good leader.	1	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1
I can be a good leader.	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I can describe what civil engineering is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I have done a civil engineering activity before.	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
I think civil engineering is fun.	1	1	1	1	1	1	0	0	1	0	0.5	1	1	1	0	0	1
I can describe what robotics is.	1	0	0	1	0	1	0	0	0	0	1	0	1	1	0	1	1
I have done a robotics activity before.	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	1
I think robotics is fun.	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1
I can describe what environmental engineering is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I have done an environmental engineering activity before.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
I think environmental engineering is fun.	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
I can describe what cybersecurity is.	1	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	0
I have done a cybersecurity activity before.	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
I think cybersecurity is fun.	1	1	1	1	1	0	0	0	1	0	1	1	1	1	0	1	0

Note: 19 campers who all identify as female filled out a yes/no survey on the first day of camp before participating in any activities. The questions were asked as statements that the campers either agreed (yes = 1) or disagreed (no=0) with. Although encouraged to only select 1 answer, some selected both "yes" and "no". In the case where campers selected both "yes" and "no" for a question, this response was coded as a value of 0.5.

Post-Camp Survey Results																
Questions	Responses															
I think school is important for my future.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I think it is important to complete school work.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I think I am a good student.	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
My family encourages me to do well in math at school.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
My family encourages me to do well in science at school.	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1
My family thinks going to college is important.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Math is fun.	0	1	0	1	1	1	0	1	1	1	1	0	1	1	1	0
I think math is hard	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	0
I am good at math.	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1
I think math is frustrating.	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	1
I have been told I am good at math.	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
Science is fun.	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
Science is hard for me.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
I am good at science.	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
I think science is frustrating.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
I have been told I am good at science.	1	1	0	0	1	1	1	0	1	1	1	1	1	1	1	1
I like to build things.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
I am curious about how cars and airplanes work.	0	1	0	0	1	0	1	1	1	0	1	0	0.5	1	1	1
I am curious about how computers and tablets work.	1	1	0	0	1	1	1	1	0	1	0	1	1	1	1	1
In my future job, I want to help people.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I have been told I could be an engineer.	1	1	0	1	1	0	0	1	1	1	1	1	1	1	0	1
I think being an engineer would be interesting.	1	1	0.5	1	1	1	1	1	1	1	1	0	1	1	1	1
I can list some jobs an engineer does.	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0
I want to be an engineer.	1	1	1	0	1	0	0	0	1	1	1	0.5	0	1	1	0
I believe I could be an engineer.	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0
I have a family member who is an engineer.	1	1	1	0	0	0	0	0	1	1	1	0.5	0	1	0	1
I can describe what it means to be a good leader.	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
I can be a good leader.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I can describe what civil engineering is.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
I have done a civil engineering activity before.	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
I think civil engineering is fun.	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
I can describe what robotics is.	1	0.5	1	1	1	1	1	0	1	1	1	1	1	1	1	0.5
I have done a robotics activity before.	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.5
I think robotics is fun.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I can describe what environmental engineering is.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I have done an environmental engineering activity before.	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
I think environmental engineering is fun.	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I can describe what cybersecurity is.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I have done a cybersecurity activity before.	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
I think cybersecurity is fun.	1	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
At camp I learned that a job in engineering could be interesting.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
At camp I learned about engineering jobs that I didn't know before.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I am thinking about being an engineer more now than I was before camp.	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0

Note: 18 campers who all identify as female filled out a yes/no survey on the last day of camp after participating in all activities. The questions were asked as statements that the campers either agreed (yes = 1) or disagreed (no=0) with. The pre and post survey questions were identical with the exception of three questions that explicitly asked them about the effect camp had on them.