

# **TECHNOVATION FAMILIES**

## Program Results Season 1

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# Program Results

81% of educators indicate greater confidence in **leading hands-on STEM experiences.**

80% of **students increased their self efficacy as a STEM learner.**

81% of educators report **training and resources empowered them** to lead the program.

90% of **parents increased their self-efficacy as a STEM learner.**

93% of students **intend to continue their STEM learning**

94% of parents indicate **improved understanding of engineering and technology**





## Coach Results

Program **increased coaches' confidence and skills in engaging children** in science and engineering.

92% of coaches say they are **constantly finding better ways to teach STEM** content.

63% of coaches report **program provided enough resources** to support families to create an invention. *We are improving this for Season 2!*

# Family Results

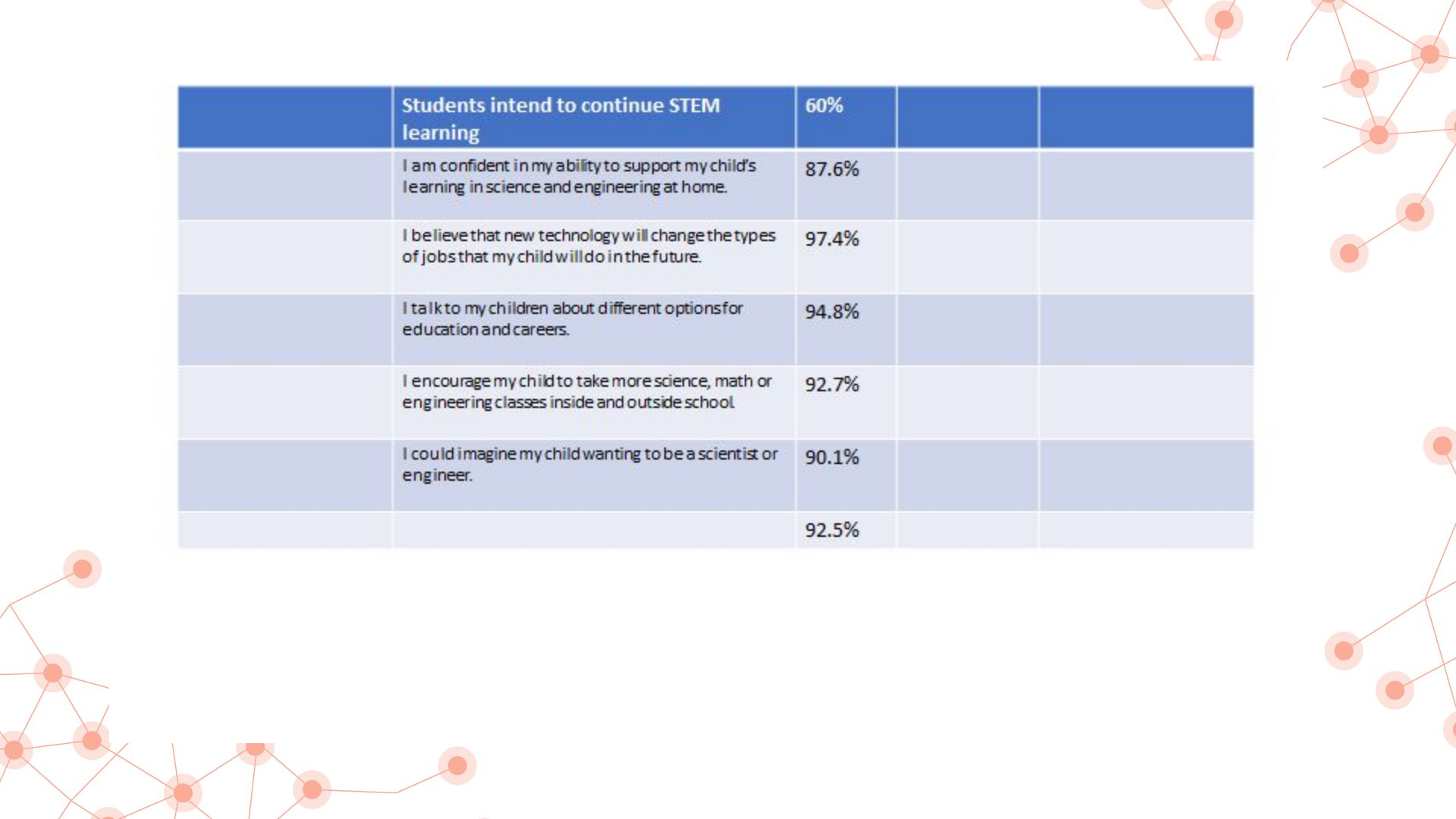
91% of parents believe their **child has developed a sustained interest in AI.**

84% of parents said they were **more likely to take action** to improve their community.

89% of parents **believe their child is capable of creating an AI model** in the future.

90% of parents believe they know the prerequisites for their **child to pursue either an AI or STEM career.**






	Students intend to continue STEM learning	60%		
	I am confident in my ability to support my child's learning in science and engineering at home.	87.6%		
	I believe that new technology will change the types of jobs that my child will do in the future.	97.4%		
	I talk to my children about different options for education and careers.	94.8%		
	I encourage my child to take more science, math or engineering classes inside and outside school	92.7%		
	I could imagine my child wanting to be a scientist or engineer.	90.1%		
		92.5%		

	<b>Educators report that training and support resources empowered them to successfully implement the program.</b>	<b>65%</b>		
	Communication with Iridescent on Design Challenges	87.3%		
	Iridescent supplied support training.	89.7%		
	Iridescent supplied support materials including slides and one-pagers.	90.9%		
	Competition process was clear and easy to understand.	70.9%		
	There was adequate time to complete work.	77.2%		
	The program supplied enough for families to be able to solve a problem in their own community with AI.	64.7%		
	Inspiration videos explained concepts needed to complete design challenges.	91.1%		
	Instruction videos were easy to follow.	87.3%		
	Communication with Iridescent about competition was adequate.	72.2%		
		81.3%		

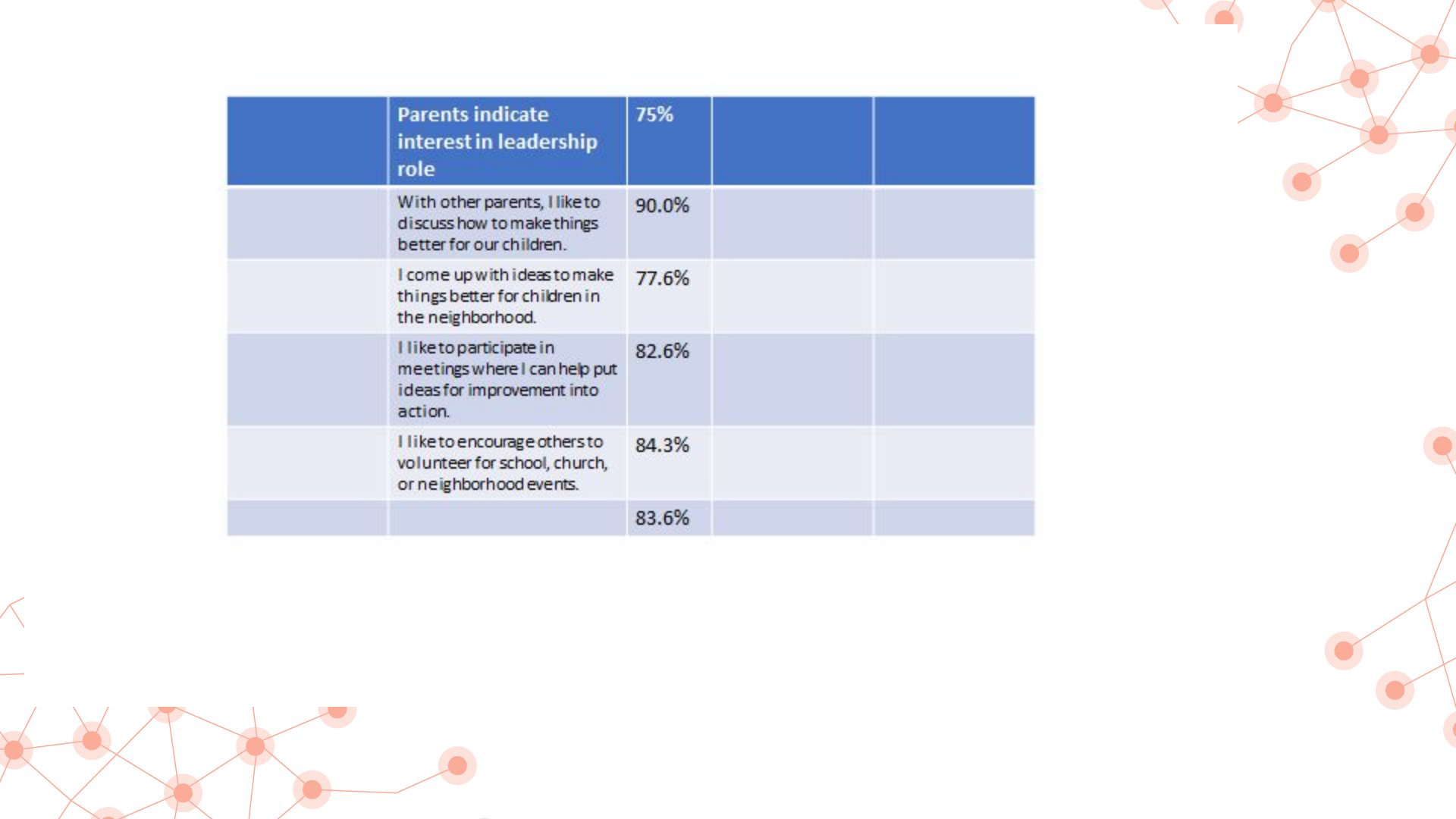
	Students increase self-efficacy as a STEM learner	60%		
Creativity	My child has lots of new ideas	90.5%		
Creativity	My child likes to come up with different solutions to one problem.	84.0%		
Curiosity	My child actively seeks as much information as they can in new situations.	84.0%		
Persistence	My child is at their best when doing something that is complex or challenging.	79.3%		
Persistence	New ideas and new projects sometimes distract my child from previous ones.	55.4%		
Persistence	My child is a hard worker.	84.5%		
<b>Average</b>		<b>79.6%</b>		

	<b>Educators indicate greater confidence in leading hands-on STEM learning experiences</b>	<b>75%</b>		
	I am continually finding better ways to teach science and engineering	91.6%		
	When teaching STEM classes, I usually welcome student questions	95.2%		
	If parents comment that their child is showing more interest in science at school, it is probably due to the performance of the child's teacher.	64.2%		
	Even teachers with good science teaching abilities cannot help some kids learn science	29.1%	70.9%	
	I don't know what to do to turn students on to science.	12.3%	87.7%	
	I find it difficult to explain to students why science experiments work.	12.7%	87.3%	
	I wonder if I have the necessary skills to teach science.	28.6%	71.4%	
			81.2%	

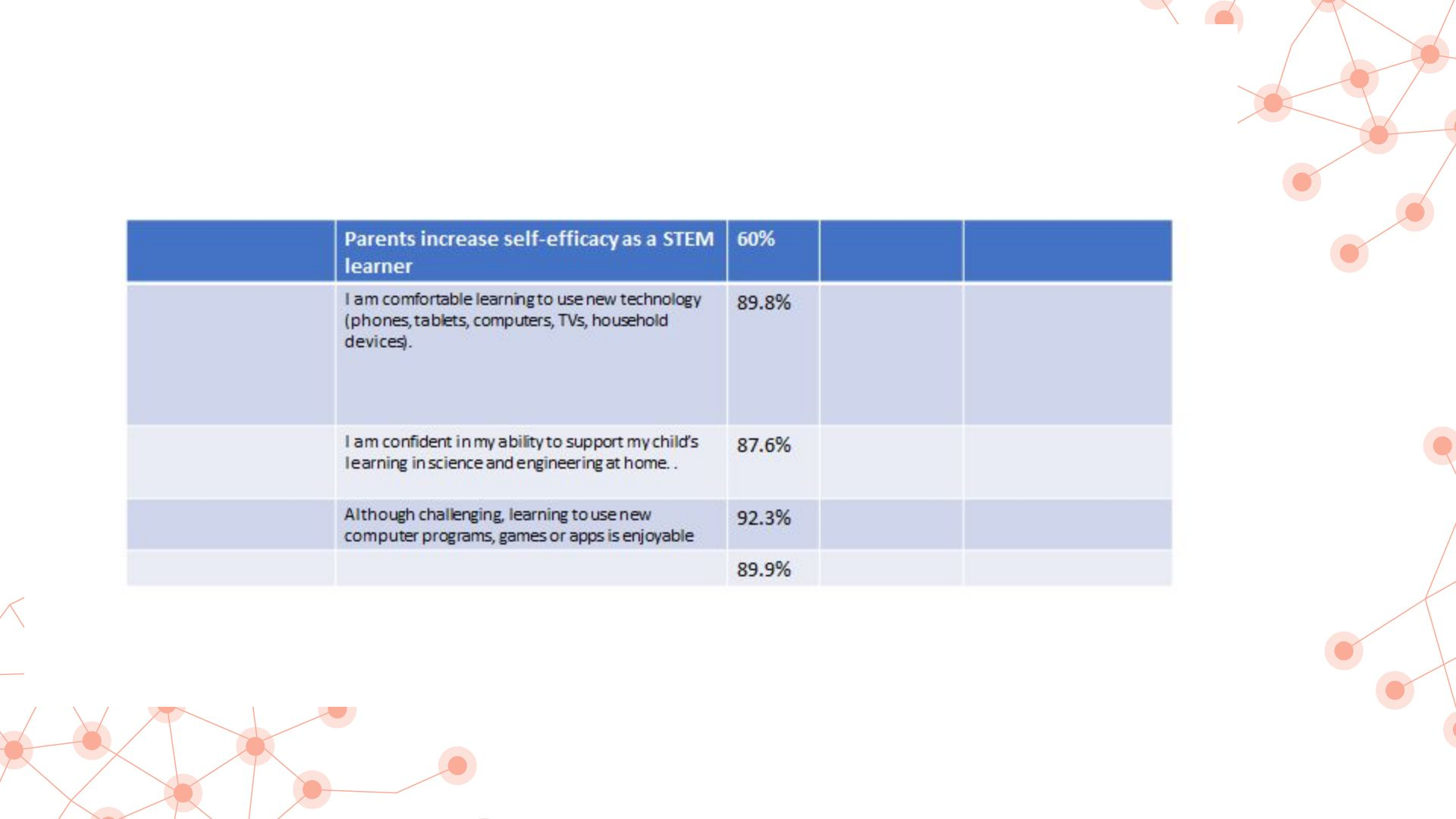




	Parents indicate improved understanding of engineering and technology.	75%		
	I believe that science and engineering can help make the world better.	96.2%		
	I understand the education and skills needed to work in a STEM (Science, Technology, Engineering, or Math) job.	91.8%		
		94.0%		



	Parents indicate interest in leadership role	75%		
	With other parents, I like to discuss how to make things better for our children.	90.0%		
	I come up with ideas to make things better for children in the neighborhood.	77.6%		
	I like to participate in meetings where I can help put ideas for improvement into action.	82.6%		
	I like to encourage others to volunteer for school, church, or neighborhood events.	84.3%		
		83.6%		



	Parents increase self-efficacy as a STEM learner	60%		
	I am comfortable learning to use new technology (phones, tablets, computers, TVs, household devices).	89.8%		
	I am confident in my ability to support my child's learning in science and engineering at home. .	87.6%		
	Although challenging, learning to use new computer programs, games or apps is enjoyable	92.3%		
		89.9%		