



STEM CLUB PARENT REPORT

Surveys and Report by Lunaria Solutions

Major Themes:

Daughters' STEM interest
Perceptions of STEM Club
Experiences with learning loss

Question Type: Qualitative and quantitative

Number of Questions: 26

Evaluation Type: Post Survey

The Sample Size

24 usable responses

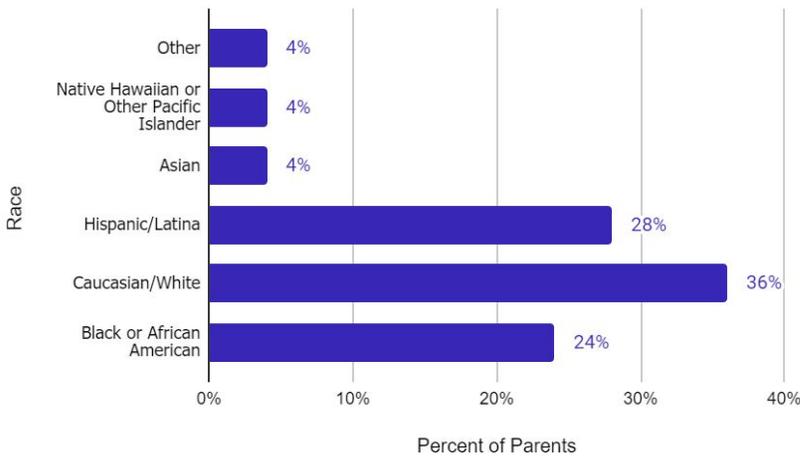
57% Scholarship

43% Paid

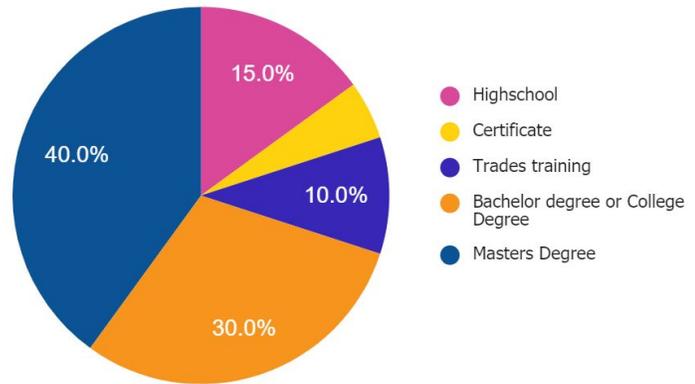


The Families at a Glance

Racial Identity



Education Level

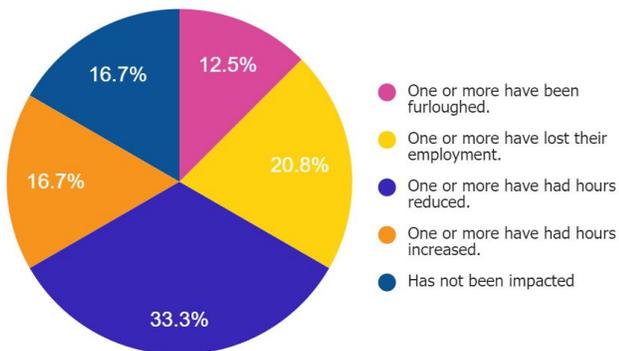


Project Scientist attracted families with a variety of educational and racial backgrounds. 57% of survey respondents were scholarship families and 17% recently immigrated to the United States.

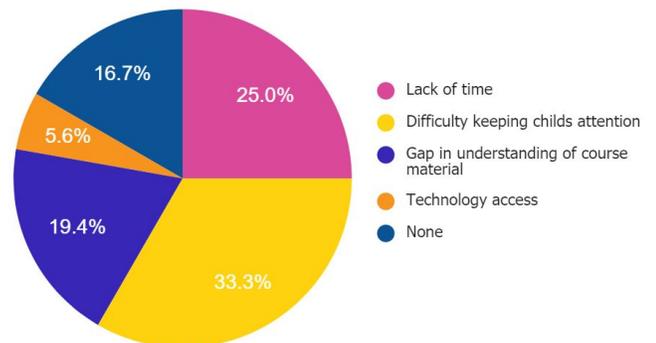


COVID-19 Impacts

Impact of COVID-19



Barriers Faced Due to COVID-19

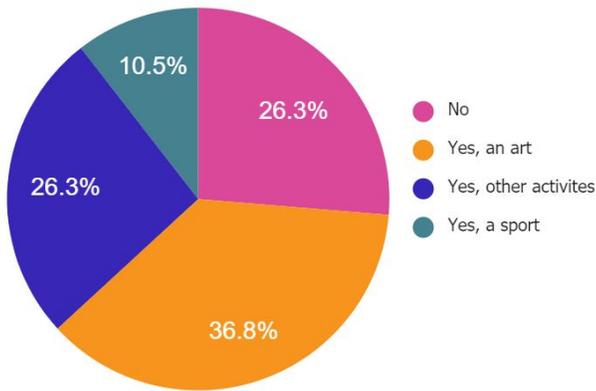


Nearly 50% of parents (or other primary caregivers) have faced changes to their work hours as a result of COVID-19. When we asked parents what barriers they faced in educating their daughters after school closures, most parents reported they had difficulty keeping their children's attention and also lacked time to educate their children.



Continuation of Learning

Did you enroll your daughter in any other extracurricular?



46% Of parents have been having difficulty keeping their daughter engaged in online learning.

63% Of parents had enrolled their daughters in a STEM extracurricular previously.

42% Of parents are worried their daughter will face learning loss due to school closures. *

For most parents, in addition to STEM Club, their daughters were also enrolled in some form of art focused extracurricular, while in the last parent survey, most girls were only enrolled in STEM. This might be a sign that as schools begin to open for in-class learning, less parents are worried that their daughter will face learning loss.

*When we asked parents in Fall 2020, 60% of parents reported being worried their child will face learning loss due to school closures. This fear has significantly decreased since the last parent survey, this might be a result of schools beginning to open for in-class learning.

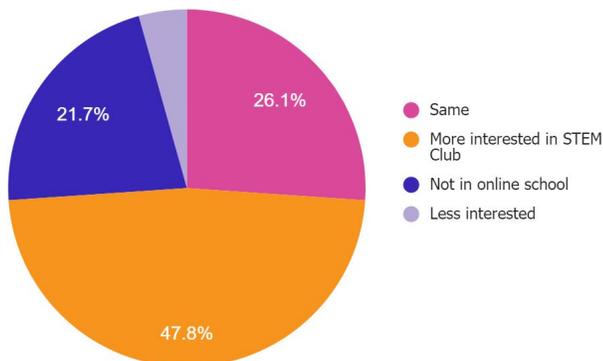


Interest in STEM

92% Of parents agree that their daughters enjoy math and science class.

92% Of parents agree that their daughters looked forward to STEM Club.

Is your daughter interested in STEM Club more, less or the same as online school?



We asked parents if their daughters are interested in STEM Club more, less, or the same as online school, and most parents said their daughters are interested in STEM Club more.



What the parents are saying

- She loves STEM club! She looks forward to every meeting. She is not being challenged enough at school at the moment so she love her STEM! Thank you!
- She is definitely more interested now than when she started. I think that she enjoys online, but she expresses wanting to do in-person.
- My daughter is more interested in STEM club than online school.
- Definitely more... she loves PS



Project Scientist Engagement

- 100%** Of parents felt supported by Project Scientist to help their daughter participate in STEM Club at home.
- 92%** Of parents believe Project Scientist created a diverse environment for their daughters to learn.
- 96%** Of parents believe STEM Club taught their daughter more about STEM.
- 96%** Of parents would recommend STEM Club to other parents.
- 92%** Of parents would enrol their daughter in STEM Club again if given the chance.
- 100%** Of parents found it easy to get their daughter to participate in STEM Club activities.
- 92%** Of parents said their daughter mentioned STEM Club topics at home.

Parents found STEM Club to be an engaging and diverse activity to enrol their daughter in, and more parents would recommend it to other parents, compared to the last parent survey. Additionally, more parents felt supported by Project Scientists and easier to get their daughters to participate in STEM Club at home, compared to the last parent survey.



What the parents are saying

- An opportunity for young ladies to engage in hands-on STEM activities and with peers and educators in a way that stimulates learning for an appropriate amount of time (considering the amount of screen time required for remote learning during the pandemic.)
- This program is amazing. The teachers and staff truly care about the girls and making sure that they are learning so much about STEM. Project Scientist is the best program out there.
- An excellent foundation that keeps children engaged and wanting to learn more.
- This is a great way and tool for kids to learn and meet other amazing kids. It is also a great way for them to continue their development and adds to their formative foundation.
- Great way to engage the girls & teach great concepts even from home. We BOTH learned a lot. The teachers were very enthusiastic, knowledgeable & engaging.
- It is an amazing program, it challenges kids brain and allows them to think and enjoy every new idea. I recommend and my daughter is very proud to be part of STEP CLUB!
- Stem Club is fun and engaging for my daughter. She gets to interact with all race and socioeconomic statuses. I love the experience she has been offered this past year. I could not have afforded her this opportunity if she didn't receive financial aid assistance!
- It's a really cool program that encourages girls to collaborate with each other while participating in interesting STEM experiments. This program builds confidence and encourages girls to participate. It's so fun to have the experiment in a box delivered right to your door! We are so grateful for the experience.
- It's a program that gives girls an opportunity to see themselves as scientists, innovators, and builders as they do a variety of fun science experiments.
- A virtual after school STEM club where certified teachers lead girls 4-12 years old through hands-on investigations once a week with Groovy Lab science materials mailed directly to your home. Awesome program!
- An inviting and educational experience A place of "togetherness" and belonging.
- Very engaging and informative. Definitely taught on the student's level and they are encouraged to participate.



Content and Parental Engagement

- 96%** Of parents agreed that the content delivered through STEM Club matched their expectations.
- 84%** Of parents agreed that the timing of STEM Club worked well for their family.
- 83%** Of parents agreed that if given the chance, they would want to be involved in improving and growing STEM Club.

We asked parents if they felt like Project Scientist added value to their daughters STEM learning. 100% of parents agreed that Project Scientist did add value to their daughters STEM Learning.



What the parents are saying

- Absolutely! The activities my daughter completes allow her to grasp concepts and see how they can be applied to every day experiences.
- Yes, Project Scientist adds value to my daughter's STEM learning. The hands on experiments are really letting my daughter experience what it would be to work in different fields.
- Yes, she is interested in learning more outside of Stem club
- Yes! Too many ways to list: super engaged, more confident, very prepared, loves to learn more.
- Yes, my 8yo already had a strong interest in STEM and this only encouraged it now. She felt like she found her people. My 7yo took a greater interest in STEM through participating, and found a lot of personal encouragement in the scientific process. I have to say that the clean water unit was kind of a disaster and we never had time to successfully complete anything during a STEM Club meeting. It was quite frustrating for the girls and my 7yo took the lack of completed experiments particularly hard. This unit would be better suited for the summer program with more time available.
- Yes, my daughter is more in tune to learning now.
- Yes, it has. She sees everything in a different perspective. She always have loved science but now she is thinking on how things are made and what causes the reaction. She bring up her ideas at dinner and makes it a conversation.
- Absolutely! The science/STEM exposure, the independence, the critical thinking of the topics covered.
- Yes! She makes daily connections to the material discussed.
- Yes, my daughter loves the hands on aspect of the STEM club. she gains really good understanding of the concept presented and loves that she can even develop solutions on her own. It has definitely opened her horizon so much into the world of STEM.
- I do, it has given her an outlet outside of school to connect and she finds it to be fun and interesting once she is in it
- Yes. She learned some new concepts and got to do "hands-on" learning which we discussed afterwards.
- Yes, she was able to do hands on experiments that her school did not provide.
- For sure, [she] has more confidence independently doing experiments. She preferred the campus setting, virtual has been an adjustment and sometimes stressful. But we are grateful for the opportunity.
- Yes, she is now more inquisitive about making different things.
- Yes because she does not receive any stem education at school.



Additional Feedback

We believe you know your participants and program best. We make recommendations and observations based solely on your survey results, so sometimes we cannot see the entire picture. Because of this, we have provided any constructive feedback that was submitted.

“Timing and Content/Delivery

- Offer STEM club on different days of the week.
- The girls suggested allowing the teachers to have flexibility to take a few extra minutes when needed rather than automatically sending everyone back to the larger group. Several times this happened while they were in the middle of getting final instructions for finishing on their own. And just really focusing on time management to complete the project for the week in the allowed time.
- Make more fun and interactive with quizzes, etc.

Spreading the word

- Get the word out - this program needs to be known!
- Grow the organization into more cities (Spokane, WA) for when we return to in-person (summer expeditions + universities/STEM professionals) similar to the model used pre-COVID. Also, continue the virtual outreach to access those outside of PS on-site programs.

No Change/Thank you

- Our kids need clubs like STEM for their brains to think a little harder and learn fun and cool new ways how things work. Kids need clubs that help them understand and do on-hand experiments to further assist their thinking process and come up with their own ideas and new methods also how the teachers are so in-aged that is a plus.
- I wouldn't change a thing. STEM Club is wonderful. :)
- PS is one of the best things that has happened to our daughter. Would definitely continue supporting her and this program for years to come! THANK YOU!
- All teachers are doing a good job
- Just know you guys are doing a wonderful job
- Thank you for this opportunity. I feel that especially given the circumstances of the year, this program was top notch.