

سيكهو سيكهاو سائنى

Partners in Learning

Science and SEL Pilot Project Report September – December 2022



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Introduction

Cities for Children works to support the learning and well-being of children living in urban poverty. Our main goal is to protect the "right to childhood" – right to read, to play, and to safety. We see, count and care about vulnerable children that few others currently serve, including those from refugee and migrant communities who settle on the margins of cities. Many of these children are 'on' or 'of' the streets and are forced to choose between going to work or school. Our programs help associate learning with joy and motivate children to stay in education.

Our vision is of a world where all children have access to safe spaces where they can learn, play, grow and achieve their potential. Our mission is to provide the social and material environment important for the development and well-being of children in and around cities, including but not limited to street-connected children, working children, and those from displaced or migrant communities. We believe in the agency of children in determining their needs and best interests and like to take them on board in processes that affect them.

We create thoughtful and impactful programs that cater to the three rights of each child – learning, play, and safety. In Pakistan, we have implemented the 'Partners in Learning' program that is based on the 'child-to-child' model where children from grades 5-7 are trained and motivated to deliver playful early learning programs for Montessori children.

Acknowledgments

This report was authored by Sahar Gul, who offered invaluable support in the delivery of the programme.

Our monitoring and evaluation framework has been refined over time with the support of our UK Trustees, David Walker and Ali Nabi Nur. Programme supervision is provided by Madeeha Ansari.



This report was showcases the impact of the Seekho Sikhao Saathi programme's fifth iteration conducted at the Junior Jinnah Trust Burma Town school campus. We are grateful to the administration and the incredible teachers who made this programme possible.



We would like to acknowledge our technical consultants, Science Fuse, who worked closely with us to understand our needs and curated the science component of the content which was piloted in this iteration.



The expansion of the programme to include science content was made possible by the funding support of the Montessori Group, UK.

Summary

The fifth iteration of Cities for Children's signature Seekho Sikhao Saathi (Partners in Learning) programme was conducted at Junior Jinnah Trust school located in Burma Town, Islamabad. This featured 13 sessions focusing on socioemotional learning, building literacy and numeracy skills, and inculcating a curiosity of science in Chotay Saathi and Baray Saathi that aimed to nurture their relationship with the world around them.

This was the second iteration of the programme at this school and provided valuable and crucial learnings and insights to Cities for Children. This report will outline the programme overview and rationale, pilot elements, partner information, evaluation criteria and tools used, key insights and impact of the programme as envisaged by various stakeholders. Finally, it will touch upon some recommendations that will be useful for future implementation of the programme.

The Seekho Sikhao Saathi (Partners in Learning) program was piloted during the COVID-19 mandated school closures as a response that ensured not only continuity of learning but also a playful learning environment promoting positive mental health. This program was originally based on an evidence-based Child to Child school readiness model, whereby Big Partners (grades 5-7) are trained to engage and lead groups of Little Partners (at the preschool level) in their communities / schools through hands-on and curiosity-nurturing early learning activities.

Since its pilot in 2020, Cities for Children has implemented the Seekho Sikhao Saathi program with three different partners Our various iterations of the program have reached **over 1700 children** across Pakistan and have created champions of education among Pakistan's urban slum communities. As of December 2022, the program has been offered 5 times, with each iteration providing unique and nuanced lessons that has helped to solidify the program's foundational design. Through this engagement, we have learnt the impact of direct coaching on honing Baray Saathi's leadership skills as well as their confidence and ability to express themselves.

Chotay Saathi Highlights

For Little Partners, we looked at recall of key concepts e.g.

- 65% remembered the key details of how sound travels
- 83% remembered the important things plants need to grow
- 60% remembered all the stages of a butterfly's life cycle

We saw a particular impact on the 9 girls who participated in the programme, who emerged as confident young leaders.

Baray Saathi Highlights

In this programme, a deliberate coaching element was added to support Baray Saathi in growing their socioemotional skills. Some key indicators of success were:

- 100% felt that they could make a change in their household, school or larger community
- 100% reported an increased motivation to learn in class
- All reported an increase in confidence
- 77% felt they could "manage children better"

Seekho Sikhao Saathi at Junior Jinnah Trust Sept - Dec 2022

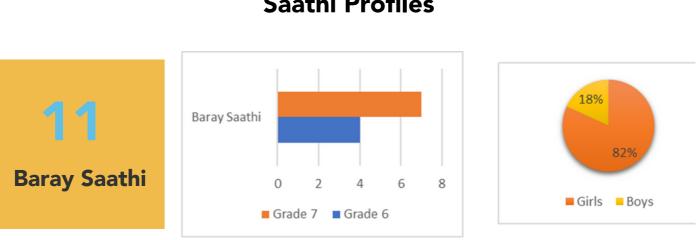
The Junior Jinnah Trust is a charity organization based in Islamabad that is providing holistic support to underserved communities across the twin cities, working on education, food security, water provision, and monetary support to enrolled students on a need-basis. As part of their work on education, they have a network of formal and non-formal, low-cost and charity-based schools aiming to provide quality education to vulnerable children on the outskirts of Islamabad.

The programme was implemented in Burma Town, a peri-urban community in the fringes of Islamabad. The community is home to many Pakhtun and Punjabi communities who often work as daily-wage laborers, painters, drivers, etc. The Chotay and Baray Saathi that we conducted the program with often spend the day at school while their evenings are spent assisting their families monetarily through activities such as roadside vending

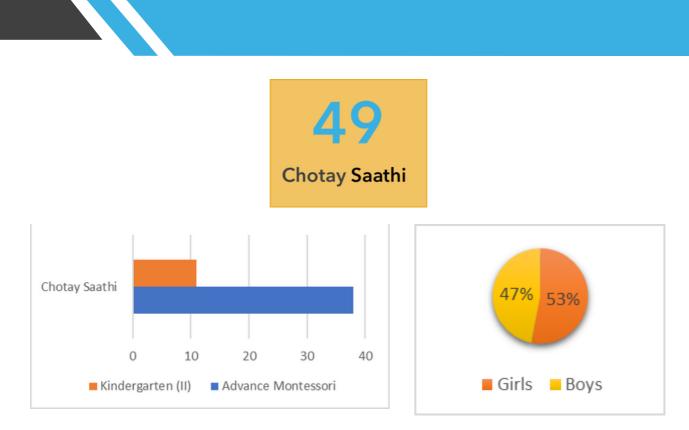


The 13-week programme included content focusing on literacy, numeracy, building gross motor skills, science, and socioemotional learning. In this iteration, as we were piloting our science content, a majority of the programme content included interactive and engaging science sessions. The piloted science content, which received an incredible response from students and teachers alike, was curated by a technical consultant, Science Fuse.

The Seekho Sikhao Saathi programme was being implemented in this community and school for its second iteration this time around. The pilot earlier in 2022 yielded an incredibly positive response from not only the children, but also their parents and school staff. This provided an incredible opportunity for us to continue our intervention in this school and introduce our newly designed science content to them. The structure of the programme requires adequate teacher / adult support as well as logistical arrangements, which were offered meticulously by Junior Jinnah Trust. Not only do these two components ensure a smooth programme flow but also help to put the focus and energy of the programme on the most important element – children.



Saathi Profiles



Monitoring, Evaluation and Learning

i. Weekly Observation:

Each session was observed critically by CfC personnel to ensure objective insights into the programme. These insights were recorded onto an observation tool that was developed considering key desired outcomes for Baray and Chotay Saathi as well as support from teachers and school staff to ensure the sessions run smoothly.

ii. Weekly reflection records

This weekly exercise is to encourage self-reflection among the Baray Saathi as well as give crucial insights and feedback to Cities for Children to course-correct any issues that may come up for Baray Saathi or provide coaching as and when needed.

iii. Endline focus-group discussion:

Two focus group discussions were conducted with groups of 5-6 Baray Saathi each. These discussions provided key insights to us regarding some of the programme's intended outcomes as well as some unintended ones as well.

iv. Endline survey (Baray Saathi):

A guided survey was conducted with Baray Saathi which included a mix of quantitative as well as qualitative data.

v. Case studies (Baray Saathi):

Informed by weekly observations, three Baray Saathi were identified who showed incredible progress throughout the programme across all competencies. With these three participants, brief conversations were conducted that provided rich data on their experience in the programme, their background, and feedback.

vi. Endline observational survey (Chotay Saathi)

Unlike our usual practice, here we did not conduct a baseline and endline on literacy and numeracy skills as the focus was on the science session pilot. Instead, teachers observed each child and recorded their observations across five pre-defined competencies – these were mainly focused on Chotay Saathi's recall and understanding of core concepts relating to science, as well as socioemotional learning.

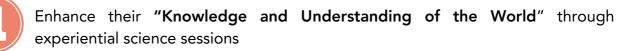
vii. Attendance records (Chotay Saathi)

Desired Programme Outcomes

In **Baray Saathi**, we aimed to measure programme impact and success based on the following seven competencies.



For Chotay Saathi, the programme aimed to:



Support literacy outcomes, particularly in terms of verbal skills, vocabularybuilding and story-telling

Bolster their school readiness skills including socioemotional skills such as confidence, ability to follow instructions and interact positively with peers.



Create a nurturing environment with positive role models

Link joy with learning.



Programme Impact

CHOTAY SAATHI

Gauged from weekly observations as well as the endline observational survey conducted with Chotay Saathi, we saw that the Seekho Sikhao Saathi programme had an incredible impact on the motivation, drive, and joy that Chotay Saathi associate with learning. The weekly observations showed that each week, the Little Partners would excitedly await the one hourly sessions with their Baray Saathi, whom they affectionately would refer to as their Aapi (older sister) or Bhai (older brother).

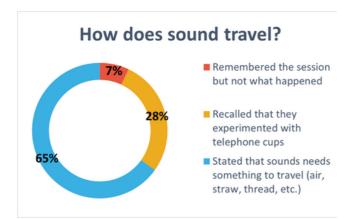
Engagement rose over time, as relationships were strengthened. By session 6, Chotay Saathi were seen to ask curious and clarifying questions and shared personal stories of their experience with the session content. One Chota Saathi, for example, during a session on plants eagerly participated in the activities and shared that since his father is a gardener, one of his favorite activities is to plant new plants and watch them grow over time. There was a noticeably higher and more joyous energy in sessions that either involved science content, poems, colors, or when the Chotay Saathi could get their hands dirty!

The endline quesionaires for Chotay Saathi tested recall of the newly piloted content e.g.

- How does sound travel?
- How do plants grow?
- What happens when you mix different colours?
- Butterfly life cycle can you remember the sequence?

1. How does sound travel?

Two of the sessions aimed to build an understanding of how sound travels through different mediums – the first of these was a telephone cup which they made and experimented with and in the second, they built their own stethoscopes and listened to their hearts beat.

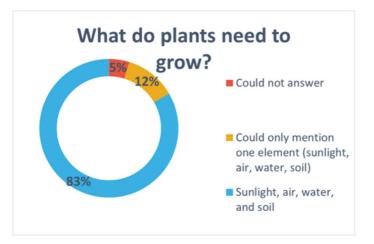






2. What do plants need to grow?

There was one session conducted on plants where the Saathi first traced leaves onto pieces of paper to understand how various plants' leaves differ in shapes and sizes. Second, with the help of their Baray Saathi, they planted plants and learned about the various things plants need to be able to grow.







This corresponds to two sessions whose basic idea was that colors, when mixed, may change. Of the sessions, one was focused on learning about rainbows and building a rainbow wheel, whereas the other focused on color changing liquids.



er focused on color changing liquids.

4.65% Had a vague understanding



Remembered a color combination

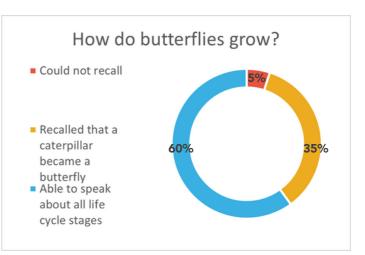
46.51% Remembered all the colors of a rainbow





4. Butterfly life cycle: Picture story

The programme included two sessions on a) a butterfly's life cycle and (b) "becoming" butterflies by making colorful masks to wear. These sessions focused on Chotay Saathi's ability to understand and recall a story with its initial sequence and to get them to be able to connect with other living things grow, and that butterflies go through an entire cycle before they're "grown up". The second of the sessions was meant to give space to the Saathi to get crafty and make face masks to wear. Both helped to build storytelling skills in Chotay Saathi and contributed to their ability of recall with comprehension.





Programme Impact

BARAY SAATHI

This programme iteration was led by 11 inspired young Baray Saathi, 9 of whom were girls and 2 boys. These were primarily from grades 6 and 7, some having taken part in the programme previously whereas the majority of them were participating for their first time. These Baray Saathi had opted to participate in the programme and were then selected by their teachers based on who among all those who had applied would benefit most from this engagement.

There were a number of evaluation tools and touchpoints with the Baray Saathi to not only assess the programme's impact but to also explore what, if any, coaching spaces need to be provided to Baray Saathi. The evidence captured in the following section is triangulated from focus group discussions, weekly observations, endline survey (self-reported) results, and weekly reflection records filled in by the Baray Saathi themselves. The impact of the programme on Baray Saathi was observed based on the desired outcomes laid out earlier.

1. Increased self-confidence

Throughout the programme, Baray Saathi exhibited an increase in their communication skills with not only their groups but also amongst themselves, in classrooms, and with Cities for Children personnel. They understood the impact of adjusting their communication style – during sessions with poems, some Baray Saathi merely read the poem out loud whereas others adopted a more story-telling tone and style, using hand gestures and actions. Chotay Saathi were seen to be engaged and eager to participate in the latter case.

While 9 Baray Saathi self-reported that they felt nervous before the first session, all of them shared that after a few sessions had passed, they felt their nervousness fade and their self-confidence rise. "I was really nervous on the first day – my Chotay Saathi were talking to me, but I couldn't respond. Then, the Chotay Saathi asked me why I couldn't speak, so I told them it's because I feel nervous. Next, they tried to make me feel comfortable and said that I should consider them my little brothers and sisters. This warmed my heart because I don't have any siblings. When we started talking after this, I felt very confident and comfortable with my group."

"Before this programme, when my teacher would ask a question in class, I would not speak up despite knowing the answer. This programme has given me the confidence to speak up in class. When my teachers ask a question in class, I do not hesitate to answer anymore."



2. Ease in building relationships and managing groups

On average, Baray Saathi shared that it took them about 3 sessions to build relationships with their Chotay Saathi and feel comfortable and confident around them. Another aspect to this was the relationships built among Baray Saathi who not only felt comfortable asking for help from their peers, but also borrowed ideas from one another to provide the best learning experience to their respective groups.

In prior iterations of the program, Baray Saathi had themselves shared that one of their aims for the programme was to learn to "manage groups of children" easily.



Reported that because of the programme, they now felt that they can manage groups of children much more easily "At first, I would manage my Chotay Saathi by saying that if they don't listen to me, I will not give them chips. But then they would become upset with me and it was difficult for me to see them that way and to cheer them up. I have learned that if I listen to the Chotay Saathi, they will listen to me"

3. Building leadership skills and taking responsibility

Throughout the programme, the Baray Saathi had grown to appreciate the responsibility of leading a group of Chotay Saathi who not only looked up to them but impatiently waited all week to spend time learning from and playing with them. "I have seen many changes in myself as a result of this programme...my thinking has changed. Previously, I used to think I could not do anything – now I know I can do anything because I can speak in front of everyone"

One way in which this was manifested was that Baray Saathi began to take notice of and give attention to all their Chotay Saathi, not just the ones who would raise their hands to answer or participate proactively.



4. Increased sense of agency and ability to take ideas forward

Many Baray Saathi began the programme by following the instructions given to them by their teachers and the meticulous manual which had complete lesson plans. However, as they started to build relationships with their Chotay Saathi, they felt confident in voicing their opinions and ideas but also in putting their ideas into action.

As part of this competency, one desired outcome for us was to instill in Baray Saathi the idea that as they have been incredible leaders to their Chotay Saathi, they can exercise their leadership skills outside the classroom and school environment too and take responsibility for the problems they see around them in their homes or communities.



"On my way from my house to school, I always noticed an empty plot of land where sometimes one person will throw their garbage and seeing them, more and more people follow until it is filled with garbage – I did not think I could do anything about even though I knew this was wrong, but now I think I can, and I will"

Baray Saathi were seen to have an increased sense of self-worth and felt that they could do what they put their hearts and mind to. Baray Saathi shared that through coaching conversations during the programme, they now have a clearer idea of what they want to be when they grow up and that achieving their goals in the future requires effort and hard work starting today.

5. Treating others with love and understanding positive caregiving

Most, if not all, Baray Saathi live in a home environment at home and at school where violence and punitive treatment is common when dealing with children. They experience this and consequently also take part in negative disciplining measures at home and at school. During the first few sessions, particularly among those groups that were led my male Baray Saathi, it was common for them to try to discipline their Chotay Saathi threatening them by not giving them their refreshments if they do not listen to them. "Teaching with love" is a CfC priority and was a lesson intentionally built into the design of the programme. Through coaching conversations as well as the Baray Saathi's own experience with their groups, they learnt the importance of positive caregiving.

This was one of the most direct and observable consequences of the programme on the Baray Saathi and it impacted their relationships with not just the Chotay Saathi but also teachers, family members, and the larger community.

"If we play close attention to Chotay Saathi, they will listen to what we have to say, whereas if we are not warm with them, they may be scared of us and not participate. Now that I treat my Chotay Saathi with love, they feel comfortable telling me when they want to do something." "We should treat everyone with love and affection – this is how relationships are made. After a few sessions, I would share my feelings openly with my group and tell them how my day went and ask them how theirs went."

"I used to feel very angry towards everyone because I thought that this is how I would be heard – with not only children from my school but also in my community. I would not even play with the children in my street. But ever since I became friends with my Chotay Saathi, I feel much more comfortable and now even interact with and play with kids from my street."

6. Enhanced readiness and motivation to learn in school

The Baray Saathi initially had trouble managing their groups and would then show a lot of empathy for their teachers. Many Baray Saathi shared that they understood the difficulty that teachers had in not only ensuring that students pay attention to the lesson but also that they enjoy the lesson. Many were heard saying that they now feel much more focused in class not only because they empathize with their teachers but also because they now know that through hard work and dedication in class, they can achieve what they set out to do.

Baray Saathi said that they have an increased motivation to learn in class with focused energy ALL

Baray Saathi reported that they understand much effort teachers put in to ensure their students learn ALL

Baray Saathi reported that they understand how challenging it is for teachers to maintain discipline in class

""Before this programme, I used to sit in my classes and count the time till their end. But during my sessions, I noticed that when Chotay Saathi pay attention, they have fun. I now listen closely and intently to what my teachers have to say."

Impact on Girls

In the Seekho Sikhao Saathi programme, as well as all our other programmes, girls and young women play a central role in transforming communities for the better. In this iteration of the programme, **53% of our Chotay Saathi** were girls and among the **Baray Saathi**, **82%** were girl participants. During our programmes, we have found young women and girls to be our strongest allies, whether they are young girls, their mothers, teachers, or other school-level personnel.

Our focus is to not only build in younger girls the drive and motivation to learn in school but to be able to envision and plan long term goals In this iteration of the programme, particularly with the piloted science content, we observed significantly positive impact in Bari Saathi's **motivation to learn in school**, to **pursue careers later in life**, to **tap into their agency**, and **lead change within their schools**, **homes**, **and communities**.

During a focus group discussion, one Bari Saathi mentioned that previously, she was "not interested in academic and extracurricular activities", but that participation in the programme changed her mind. She added, "**this has transformed my thinking because I now feel confident using my voice and feel that I can do anything I put my mind to**". Another shared that the programme "**brought out her inner leader**." This is extremely significant in communities with a high dropout rate for girls, particularly when transitioning into or continuing secondary education.

Based on feedback collated from five different iterations of the programme, we purposefully built in a coaching element in this iteration of the programme that encouraged girls to articulate goals and aspirations, as well as map out the steps they can take to reach them. For instance, one Big Partner from the pilot had shared that before, she had wanted to be a teacher "but now she knows how to reach her destination." In a more recent iteration with more of a coaching element, one Big Partner shared that she no longer wishes to pursue stereotypical careers for women, such as teaching, and wishes to pursue "computer studies and technology" as she recognizes that the world is increasingly surrounded by technology.

Goals could be both within the school and beyond - another participant recently shared that when she now sees in her community a prevailing issue, she feels the responsibility to solve it. She shared, "Every few days in my muhalla (community), I notice that one person throws their garbage on an empty piece of land, after which more and more people follow until it becomes a huge pile of rubbish, and I really want to do something about it now".



One Bari Saathi leading her group during the session on Bubbles

Reflections and Recommendations

During the programme, there were some key lessons learnt from teachers and Baray and Chotay Saathi through a range of touchpoints. These lessons will help us to improve and learn for future iterations of the programme.

1. Reviewing sessions for simplicity

In the 13-session programme Baray Saathi reported science sessions as their favorites and Chotay Saathi also showed greatest excitement and engagement during these. The hands-on experiment-focused sessions allowed children to not only learn new concepts but to develop a curiosity of science. However, some science sessions in the manual appeared to be too wordy and difficult for the Baray Saathi to read with focus. This led to them skimming over the lesson plan and missing out crucial details for the session to go smoothly. This was particularly the case in the Rainbow Wheel session.

2. Support for teachers

The programme design enables Baray Saathi to seek support from teachers before conducting sessions. However teachers in schools have huge capacity issues and may not be able to offer Baray Saathi more than a revision of the lesson plan. During the course of the programme, Baray Saathi sometimes needed a bit more technical support, particularly in science sessions. For further iterations of the programme, the training and development of teachers should be a priority as well as regular touchpoints with them to gather their input and feedback.

3. Enhanced coaching element

Baray Saathi do incredibly well when provided coaching support through CfC personnel – this was shown to not only help them reflect and do better vis a vis their sessions but to also understand deeply the role that they are playing in the Chotay Saathi's lives. This coaching element, if pursued consistently, can be an element of leadership development for Baray Saathi which can develop their sense of agency and responsibility beyond the classroom and school.

4. Session observation tool

There is a need to develop a systematic observation mechanism for internal learning and course correction during sessions. Moreover, if the programme plans to scale, it is critical to have a much simpler and quantifiable tool for observation that we could share with teaching staff to gather important data points while freeing up CfC human resource.

5. Enabling peer learning

Peer learning among Baray Saathi makes a huge difference not only in how the programme is delivered but also in the general attitude of Baray Saathi. Since 3 Baray Saathi had previously done the programme, other new Baray Saathi would learn from them and eventually this developed organically into a peer learning environment. In future, we can explore how Baray Saathi can collectively reflect and share learning and ideas.

6. Consistent attendance documentation

Attendance documentation is very important and the responsibility for this should be given preferably to teachers or to Baray Saathi. Gathering attendance records provide us not only with an important datapoint that shows willingness to attend sessions, but this also would be helpful in endline results – comparisons can be made between children's performance with attendance as the variable, isolating the programme as the primary cause.

7. Reviewing logistics

In the weekly touchpoint with teachers, it is important to go through all the materials required for the week's session to avoid any issues on the day. For example, reminding the teachers to have any handouts printed, materials gathered, and session venue figured out beforehand (some science sessions made more sense to do outdoors so we had more space).

Case Study 1: Building confidence using play!

Of the cohort of Baray Saathi at Junior Jinnah Trust, three had partaken in the programme's pilot in their school earlier in the year. Sania, 14, was one of them. Hailing from a village near Dir, Swat, Sania's family moved to Rawalpindi's Burma Town when she was set to begin 4th grade. Her early school years were spent in a government school in Swat where no classes for girls were offered beyond fifth grade. She shared that there were not many opportunities for girls to engage in activities beyond the school curriculum.



While she had taken part in the programme before, Sania shared that in this pilot of the programme, she and her Chotay Saathi enjoyed it manyfold, particularly the science sessions. She said that "This time, not only did we teach Chotay Saathi but also learned so much about science that we did not know." Even during the programme in conversations with Baray Saathi, Sania **asked for sports sessions for herself and her group.** In speaking with her towards the end of the programme, Sania shared, "When we are teaching, we should always have a lesson and play in sessions because **when you use play to explain something to children, they understand better".**

Sania frequently sees the Chotay Saathi from her first time participating in the programme and shares how exciting and joyful these interactions are. While speaking about one of her Chotay Saathi who is now in 1st grade, she shared how hesitant Awais was in speaking and how he never leaves a moment to talk now. When she reminisced with him about his shyness, he was quick to attribute it to Sania by saying that he speaks with confidence after his time in the programme with Sania.

Case Study 2: Finding joy beyond school books

Sahar has been enrolled in Junior Jinnah Trust since August 2022 along with her younger brother who walks with her to school every day. Her family has lived in Rawalpindi for decades and have just moved to the Burma Town locality as her father searched for painting jobs nearby. Finding it easy to make friends and interact with people, Sahar has always wanted to be a teacher but was reluctant to participate in co-curricular activities. She finds joy and excitement in her friendships and academics, in which she has always been stellar.

She joined the programme due to the school principal's suggestion but was still wary of how it would turn out to be. However, very early on, Sahar appeared to be a natural at not only engaging her Chotay Saathi but introducing innovative activities, games, and poems to enhance their learning experience. She was excited to collaborate with others and learn from and with other Baray Saathi. Through the programme, Sahar shares, she has found joy in co-curricular activities and has learnt that she can easily manage groups of children. In the future, Sahar wants to pursue computer studies because "the world now revolves around technology and computers."

