



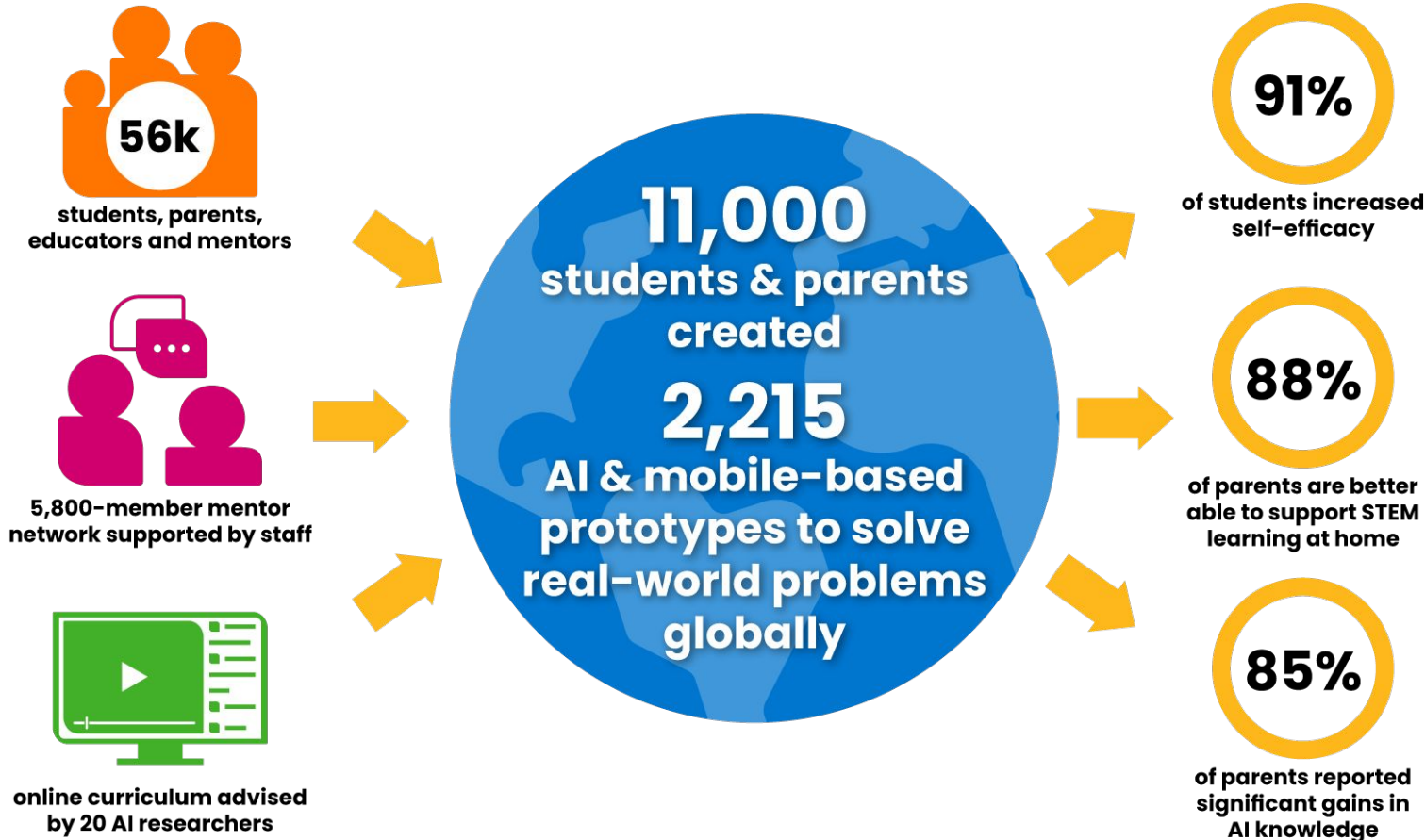
TECHNOVATION

**Inspire girls and families to be
leaders and problem solvers in their lives
and their community**

2019 Impact

TECHNOVATION 2019 IMPACT

We are building a global community of students, families, and mentors and empowering them to solve real-world problems using technology.



“Our team wanted to empower social workers so children can be brought out of whatever hardships they are facing.”

A team of 3 girls, mentored by Technovation alumna Tanya Ken, developed a mobile app to address the lack of support for social workers to transfer details about cases to new staff. Personal insight from two of the girls’ experiences—relying on social workers as guardians—led the team to create a powerful early-stage app and win Technovation Girls’ 2019 Junior Division First Place.

Read more about their solution and projects by other teams of girls:





“[Technovation] has reminded me how to play with technology, to recover the spirit of discovery and teach how to use this in the real world.”

Prompted by the tragic loss of a young family member, a father led a team of 5 students to develop an AI image-analysis prototype that detects drowning risk to help prevent future drowning accidents.



Read more about the team's solution:

In 2019 CEO Tara Chklovski shared insights from running the world's largest AI education program for children and families at conferences all over the world. She led discussions at **ITU AI for Good Global Summit** with business, government, AI and education leaders, and presented at **Mobile World Congress L.A.**, NeurIPS, SXSWEDU, the Global Forum on AI for Humanity, and more.



LESSONS LEARNED

Over 15 years we have learned there is always more to learn and more that can be done to improve.

Here are the top 2019 takeaways our team is using to build on:

1. It is harder to teach how to *apply* coding skills to complex, messy, real-world problems than it is to teach the skill of coding.
2. We need to make it easier for new mentors to get started; they are hesitant to commit to a 3-month program.
3. By deepening support for alumni, we can help them to continue strengthening emerging interests and skills.

IMPROVEMENTS FOR 2020

From our lessons learned, we identify and apply improvements that we believe will have the greatest positive impact on our community.

In the coming year we will:

- **Expand problem-solving curriculum:** Show students [how to break down complex, messy problems and innovate.](#)
- **Amplify purpose:** Help all participants (students, mentors, parents) identify *their* purpose, so they are motivated to persist as creators & entrepreneurs.
- **Add alumni support:** Provide more technology, entrepreneurship, and leadership opportunities to our 63,000 alumni and support them as role models for younger girls.



“In Kazakhstan, four people go missing every day. So we thought, ‘Why wouldn’t we create an app that at least would help start finding these people from their last location?’”

Aruzhan and her Technovation Girls team developed a prototype application, QamCare, and won first place at Technovation’s World Pitch event. Since then, they’ve continued to work on QamCare, bringing it to market in 2018—and in **2019 QamCare helped rescue a kidnapping victim.**

Read more about Aruzhan’s work and app:



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and build a better world with
technology.**

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tara@technovation.org