

Amazon presents The Tech Challenge

INSPIRING A NEW GENERATION OF INNOVATORS



A signature program of The Tech, The Tech Challenge is an annual design challenge for teams of students in Grades 4-12. The program inspires students from all backgrounds to consider careers in STEM fields and creates the next generation of innovators!



**The Tech
Challenge**
Presented by Amazon

About the program

The Tech Challenge program is an engineering design challenge for students in Grades 4–12. Each year a new challenge is presented and participants spend months collaborating to design and build a device to solve a real-world problem. Challenges are designed to appeal to and be accessible by students typically underrepresented in STEM.

The Tech Challenge ...

... is focused on STEM. This project-based learning program aligns with Common Core and Next Generation Science Standards supporting science, technology, engineering and math.

... is inclusive and inspiring. It encourages girls and boys from all backgrounds to learn about science and engineering.

... builds 21st century skills. Students practice critical thinking, problem-solving and teamwork.

... affordable. Registration is just \$50 per team (fee waived for underserved schools and after-school programs) and solutions can be created with common, low-cost materials.

Program activities

In addition to the months-long challenge, there are program activities offered throughout the year, including:

- Virtual Summer Community Workshops: Virtual workshops offered by the Santa Clara County and San Mateo County public libraries
- Info Clinics
- Team Workshops
- Test Trials
- Adviser Training
- Exploring Engineering with Tech Challenge, Multi-session lessons for out-of-school time programs
- Corporate workshops for families of employees
- Educator resources - design challenge facilitation methods videos, PDF guides, and “Tech Tips” facilitation guides
- The Tech at Home lessons and activities
- “How to” videos

What people are saying about The Tech Challenge

Educators

“[The Tech Challenge is] something that the Boys & Girls Clubs can’t do on their own, so partnering with The Tech to provide these kids an experience like this is priceless.”

— Romina Roman, past Unit Director,
Boys & Girls Club of Silicon Valley

“My children are [becoming] risk-takers and the leaders of the community at school ... teaching the children to persevere was one of the most important lessons learned.”

— Richard Algea, teacher,
Lairon College Prep Academy

Participants: What do they learn?

“I learned that with determination, creativity, and teamwork, you can make your ideas a reality.”

“I learned how to work together with other people to solve problems.”

“I learned the importance of getting perspectives from different people to achieve a greater result.”

“This challenge definitely improved my people skills as well my engineering and thinking skills.”

“I learned a lot about how to improve designs, taking the best parts of the first design and improving the bad parts to create something new.”

“I learned that we should keep on trying no matter what setbacks we have.”

Participants

In its 35th year, The Tech Challenge has reached over 30,000 students and has a particular focus on the inclusion of underserved students. For The Tech Challenge 2021, 51% of students who participated in the final Showcase were female and 38% of teams came from Title I low-income schools and after-school programs. Students participate from over 60 cities in the greater Bay Area and beyond.



How you can help inspire the next generation

Program funding. The Tech depends on corporate, foundation and individual funding to make this one-of-a-kind educational STEM program possible. Please consider supporting as part of your corporate social responsibility program. There are many levels of support with associated benefits and recognition. For more information, contact Sophia De Quattro at sdequattro@thetech.org or 1-408-795-6119.

Volunteer to judge at the virtual showcase. Corporate employees and individuals are invited to volunteer. No experience necessary. Volunteer registration will open in February 2022. Visit thetech.org/thetechchallenge/volunteer for information.

Supporters

“We support The Tech Challenge because we’re a company of problem-solvers. We’re always looking for individuals and teams who can think of things differently.”

— Rita Holiday, Intel, Global Public Affairs Community Engagement Manager

“Failure is a gift. The hardest times in your life are what really makes you stronger, so embrace those.”

— Janine Pelosi, Zoom Video Communications, Chief Marketing Officer

“If everything works perfectly the first time, then you never learn anything; you never push the boundaries of what it is you’re trying to do.”

— Simon Segars, Arm, CEO

“The core mission of The Tech Challenge aligns perfectly with Seagate’s values of innovation, inclusion and integrity. We are proud to be a longtime supporter of The Tech Challenge.”

— Ravi Naik, Seagate Technology, CIO and EVP

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The Tech Challenge Virtual Showcase — April 2022

Students will show their designs to judges (virtually) and are judged on their team interview, device performance and their engineering journal. Volunteers are needed!

Won't you please join us to support developing the next generation of problem-solvers?



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