COVID-19 and its effects have a disproportionate impact on students from low-income communities. The STEM Generation team is ready to address this inequity head on.

At the onset of the lockdown, during remote learning we pivoted on a dime to support teachers to pilot our programming during remote learning as Google Classroom projects. Students and their teacher gave exciting feedback and huge accolades that resulted in strong support from Denver Public Schools for our programming this year.

STEM Generation believes in the power of equity in early Science, Technology, Engineering & Math (STEM) learning opportunities to equip underserved students with leadership and STEM skills needed to tap into the strong economic opportunities all around them. We strategically use fun, hands-on STEM projects based on things in their everyday lives to inspire students to lead their learning and to identify as STEM-capable. Students are empowered to participate in their school’s skills-based Science & Engineering Fairs where they engage with diverse STEM professionals as role models.

We partner with school districts and public schools serving low-income communities to donate support, resources and opportunities that empower students to succeed in STEM regardless of the amount of support they receive at home.

The STEM Generation team is grateful for the generous volunteers, partners, and sponsors who support and advance our work to address inequities in early STEM learning opportunities to create brighter futures for children from low-income communities.

Together, we’ll level the playing field. Join us in creating opportunities for underserved children so they too can know, “Hey, I can do STEM!”

Wendy Wempe, PhD  
Founder + Executive Director  
303.918.9431  
wendy@ScienceFairFun.org
2025 Vision

We use hands-on project based learning and Science & Engineering Fairs to close early STEM learning opportunity & achievement gaps that fall squarely along socioeconomic lines. Girls and students of color from low-income communities are empowered with leadership and STEM skills needed to tap into the strong economic opportunities all around them. They know “Hey, I can do this!”

Equal
representation of girls & students of color in STEM

Nationwide
opportunities for 1M girls and students of color to develop leadership & STEM skills

Sustainable
programming expected together with corporate sponsorship & engagement

STEM = Science, Technology, Engineering & Math
Our Potential Reach

- > 60,000 qualifying US public schools serving low-income communities
  - 21 M qualifying public school students
    - 8.6 M girls & 6.5 M students of color not participating in Science Fairs annually

“I’m going to be an engineer when I grow up.”
1. Fully scalable, online platform for facilitating programs.

2. The business community engages as role models during Science & Engineering Fairs.

3. We only serve high-needs schools, those serving > 50% Free-reduced Lunch enrollment.

4. Programming is donated to qualifying schools.

5. Strategically focused hands-on STEM programming on developing leadership skills & STEM identities.
“STEM Generation’s Science Fair Fun programs lend significant value to the growth of DPS youth. ... we welcome their support of our DPS educators to continue to work towards making equity a reality.”

- Renee Belisle, DPS Team Lead Curriculum Specialist

“Science Fair Fun transformed the process we utilized to support students to excel in Science, Technology, Engineering & Math.”

- Jim Havens, Principal, Kyffin Elementary School
TEACH Science Fair Fun:  
STEM 3-Project Kits + Professional Development

1. **Teachers** at high-needs schools teach the process of science & engineering utilizing our donated Science Fair Fun Project Kits.

2. **Children** develop their leadership & STEM skills needed to lead authentic, hands-on projects they develop from things in their everyday lives.

Qualifying teachers on our waitlist received donated Make Science Fair Fun® In-class 3-Project Kits & support:

1. Teacher lesson plans
2. Student lessons
3. Assessments
4. Student project kit materials

*Served 2019/20 AY*

*We pivoted hard to successfully pilot our STEM 3-project Kits during remote learning, with exciting feedback and huge accolades, which resulted in a strong Letter of Support from DPS for our programming.*
IMPLEMENT Science Fair Fun: Science & Engineering Fair Foundations

1. Children showcase their leadership & STEM skills they used to lead their authentic projects and they practice communicating what they learned.

2. Diverse STEM professionals engage with under-served children during their fairs & serve as role models.

School fair organizers received resources and weekly personalized support and all necessary communication pieces to organize and implement an inclusive and skills-based Science & Engineering Fair.

*We supported 7 schools + their whole-school community (approximately 1,400 students) for the 14 weeks leading up to their Science & Engineering Fairs. However, because of the COVID 19 lockdown, only 3 of 7 schools were able to host their fair days.

Served 2019/20 AY

7* Schools

1,400* Students

“I’m going to be an engineer when I grow up.”
2019/2020 Program Wait List

35 CO teachers on our waitlist to receive our TEACH & IMPLEMENT programs.

77% Teachers want help finding qualified fair judges from their community.

100% Colorado Public Schools serving students from low-income communities.
Colorado Goals

In Colorado, create opportunities for the 126,000 girls and students of color from low-income communities to develop the skills needed to achieve engineering and technology success, through an inclusive and skills-based Science & Engineering Fair.
2019-2020 Fiscal Year Financial Overview

INCOME
$69,050

EXPENSES
$58,019
Our Trail Blazers
Founding Board of Directors

Executive Director + Founder
Wendy Wempe, PhD
STEM Generation Inc
DBA Science Fair Fun

President
Juan Carlos Madeni, PhD
Corporate Manager,
Metallurgy & Advanced Materials
Johns Manville

Treasurer
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Constable HR

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CEO & Founder
LMY CRM llc

Suzie Schuckman
Nonprofit Resource Development Professional

Catalina Luneburg
Founder and Director
TerraEx Group
2019/2020 investors in equitable early STEM learning

“I’m going to be an engineer when I grow up.”

John Jenkins Fund through the Denver Foundation

Blumenthal Fund through the Denver Foundation

United Way Mile High United Way

Lockheed Martin
Give all children the **opportunity** to become leaders and innovators and know, “**Hey, I can do STEM!**”