



STEM Education Programs

Corporate Social Responsibility

Mission



**We enable our customers to make the world
healthier, cleaner and safer**

The World Leader in Serving Science



ThermoFisher
S C I E N T I F I C

thermo
scientific

applied
biosystems

invitrogen

F **fisher**
scientific

unity
lab services

Global Scale

- Approximately 70,000 employees globally
- More than \$20 billion in annual revenue
- Unparalleled commercial reach

Unmatched Depth

- Leading innovative technologies
- Deep applications expertise
- Premier laboratory productivity partner

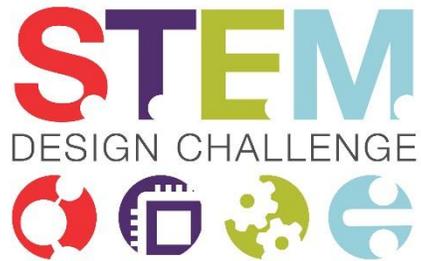
Thermo Fisher Scientific Corporate Social Responsibility (CSR) provides STEM education resources to our colleagues to support the communities where we live and work.



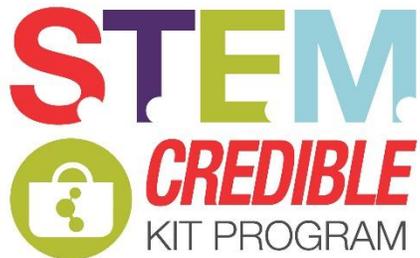
Our signature STEM education programs enable our colleagues to engage students and educational institutions to promote science education and inspire the pursuit of STEM careers.



Science-based hands-on experiments for all ages



Team-based competition integrating 21st Century Learning Skills



Donation of safety kits created by Thermo Fisher colleagues





Innovation Nation™ is a Thermo Fisher Scientific STEM education program designed to connect students to employees through hands-on and digital activities in order to inspire the future generation, teach about our company, our technologies and how our company impacts the world.

Current list of activities:

Spell Your Name in DNA (age 5 & older)

Strawberry DNA Extraction (age 5 & older)

Paper Chromatography (age 5 & older)

Chemistry of Slime (age 5 & older)

Make Your Own Lava Lamp (age 5 & older)

Water Quality (age 5 & older)

Principles of Centrifugation (age 8 & older)

Nanotechnology (age 8 & older)

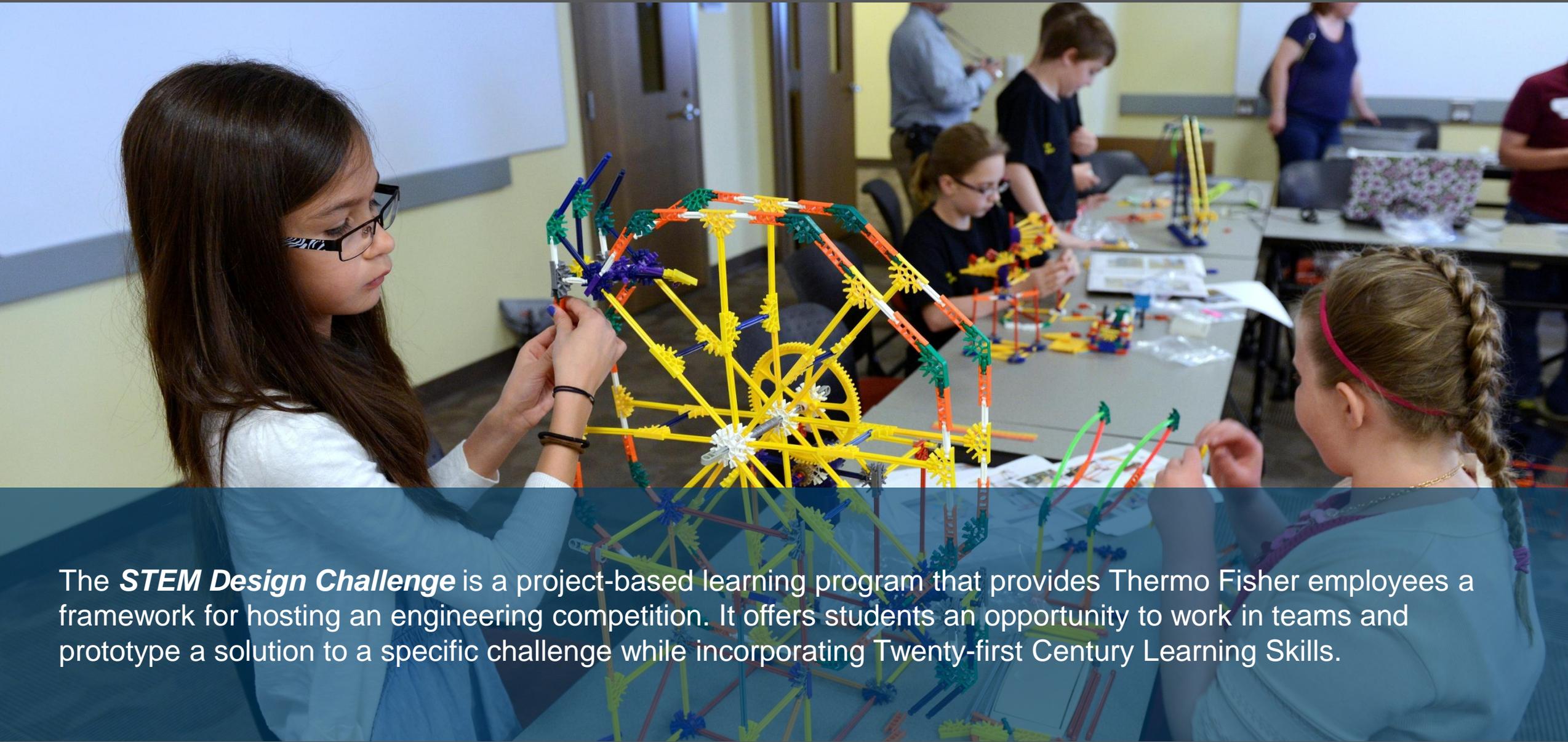
Genetic engineering (age 10 & older)

DNA Profiling (age 12 & older)

Stem Cell Staining & Reprogramming (age 14 & older)



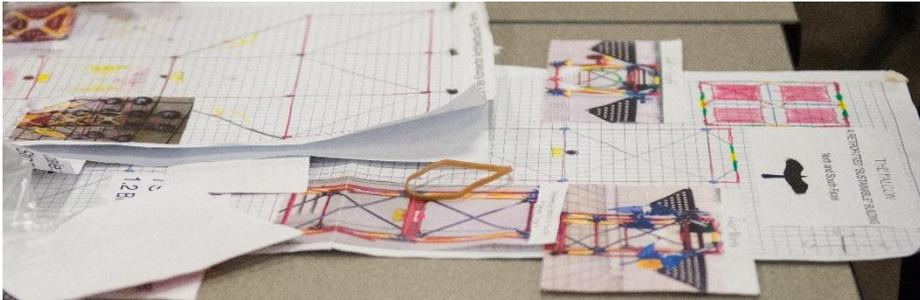
STEM Design Challenge



The ***STEM Design Challenge*** is a project-based learning program that provides Thermo Fisher employees a framework for hosting an engineering competition. It offers students an opportunity to work in teams and prototype a solution to a specific challenge while incorporating Twenty-first Century Learning Skills.

STEM Design Challenge

After researching their challenge teams of students must **design** a prototype to scale using K'Nex.



Final projects display **journals** with written explanations.

During competition day **teamwork** is required to rebuild disassembled prototypes by referencing previously created **blueprints**.

Thermo Fisher colleagues, acting as judges, listen to **presentations** and score all project components including connection to our Mission and **creativity**.



STEM-Credible Kit Program



The ***STEM-Credible Kit Program*** provides Thermo Fisher employees an opportunity to learn about our Practical Process Improvement (PPI) business systems while packaging kits which contain personal safety gear. These kits are then donated to local schools in need to be used in the classroom by students of all ages.

STEM-Credible Kit Program

Contents of Each Kit

Chemical splash goggles: 1 pair

Chemical splash apron: 1

Nitrile gloves: 5 pair (10 gloves)

Lab safety notebook: 1

Drawstring backpack: 1

Chemical splash equipment provides proper protection for real laboratory work. Activity facilitators will feel safer knowing students are well protected and learning best lab practices.



Visit us at thermofisher.com/csr

Download our annual printed report [HERE](#)

If you are interested in connecting with Thermo Fisher colleagues in your local area please contact CSR via responsibility@thermofisher.com

