A Program of The Actuarial Foundation

Modeling the Future Challenge

FY2022-2023 SPONSORSHIP OPPORTUNITIES
Can you guess who conducted these research projects?

The environmental impact of cryptocurrency

The costs and solutions to homicides in Chicago

Mitigating the risk of wildfires in California

Analysis of environmental conditions and driver behavior on the severity of car accidents in California

The risk of melanoma screenings for insurance companies

Would you believe us if we told you it was high school students?
The Modeling the Future Challenge (MTFC) is a competition for high school students combining math modeling, data analysis, and risk management into one exciting challenge! To compete, students conduct their own research project modeling real-world data to analyze risks and make recommendations to companies, industry groups, governments, or organizations.

MTFC teams are provided an Actuarial Process Guide to help them define their project and understand the details of how to conduct a real-world risk analysis and are linked with an actuary mentor to answer questions and share how they might approach a problem.

We believe that students who master the actuarial process will be successful at identifying, characterizing, and managing risks in all aspects of their life as well as in their career. Student participants are highly skilled in math and are interested in learning more about math-related careers, including actuarial science.

Let’s partner together!

Sponsors of the FY2022-2023 Modeling the Future Challenge will have the opportunity to:

+ Share information about their company and actuarial team with an engaged audience of students and teachers
+ Provide your actuaries to mentor teams throughout their project
+ Serve as judges for the semi-final and final rounds of the competition

For more details about the various sponsorship levels, see page 8.
The Modeling the Future Challenge (MTFC) has received the Iowa Governors STEM Council Seal of Approval. This Seal of Approval designates the MTFC program as one that officially advances one of the most progressive state STEM initiatives in the country!

Iowa State University serves as the Iowa Regional Partner for the MTFC supporting educator professional development and hosts a student workshop on campus in the fall. High school students throughout the state are invited to participate in the Modeling the Future Challenge through the Iowa State University regional activities.

“The Iowa Governor’s STEM Advisory Council is focused on increasing student interest and achievement in science, technology, engineering, and mathematics in Iowa. The task is to prepare STEM-literate students for career paths in the economically vital fields of bioscience (agriculture and health), finance, information technology, advanced manufacturing, and other STEM fields in order to provide a competitive, economic advantage to our communities and state.”
Let’s expand diversity in the Modeling the Future Challenge!

This year we are expanding our efforts to bring more students from diverse backgrounds into the Challenge. Following a successful pilot last year, we’ve added dedicated training, mentoring and other resources for teachers and students through our Quest Track. This track is for teams who first want to learn actuarial fundamentals in order to prepare for future competitions.

### 2022-23 Challenge Track Timeline & Milestones

- **Challenge Launch Webinar** (Aug. 25)
- **Registration Opens** (Sep. 12)
- **Registration Closes** (Nov. 11)
- **Scenarios & Proposals Due** (Dec. 2)
- **Semi-finalists Announced** (Dec. 12)
- **Project Phase begins** (Jan. 2)
- **Finalists Announced** (Mar. 22)
- **Quest Track Registration Opens** (Nov. 28)
- **Project Reports Due** (Mar. 3)
- **Finalist Presentations Due** (Apr. 7)
- **Symposium & Awards** (Apr. 24-28)
The Challenge keeps on growing...

The FY2021-2022 Modeling the Future Challenge saw a record 197 teams register, and we anticipate even more teams in this year’s Challenge.
The Modeling the Future Challenge welcomes teams from public, charter, and private schools as well as from extracurricular organizations across the country. Participation by Type of Organization

- Public Schools: 65.6%
- Title I Public Schools*: 19.7%
- Private Schools: 9.8%
- Extracurricular Organizations: 4.9%

Since the 2020-21 season, the Modeling the Future Challenge has adopted an open theme, allowing student teams to choose their own topic for their Project Report. Semifinalist Project Topics

- Social & Community Needs: 28%
- Environment & Climate Change: 18%
- Healthcare & Injury: 19%
- Pandemics & Diseases: 9%
- Flooding, Drought, & Natural Disasters: 7%
- Business & Finance: 9%
- Mental Health & Addiction: 3%
- Crime: 3%
- Agriculture: 3%
- Wildfires: 3%

* Title 1 is a federal program that provides supplemental funds to school districts to assist schools with the highest student concentrations of poverty to meet educational goals.
# Modeling the Future Challenge FY2022-2023 Sponsorship Levels

<table>
<thead>
<tr>
<th>Event name recognition: &quot;(Your Company) Presents the Modeling the Future Challenge Symposium&quot;</th>
<th>Presenting Sponsor of Virtual Symposium: $100,000</th>
<th>Pioneer Level Sponsor: $50,000</th>
<th>Pathfinder Level Sponsor: $25,000</th>
<th>Pacesetter Level Sponsor: $10,000</th>
<th>Builder Level Sponsor: $5,000</th>
<th>Regional Level Sponsor: $2,500</th>
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<tbody>
<tr>
<td>Company featured in Finalist Announcement Webinar</td>
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<td>Opportunity to speak during Closing Ceremony when winners are announced</td>
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<td>Featured logo on finalist gifts or opportunity to provide a branded gift to finalists</td>
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<td>Logo on MTFC website and during Semi-finalist/Finalist Announcement Webinars, and the Virtual Symposium</td>
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<td>Opportunity to host/participate in a live activity during the Virtual Symposium</td>
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<td>Opportunity to participate in a live activity at the virtual symposium</td>
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<td>Number of employees who can volunteer for the Challenge (mentors, semi-final judges, symposium judges)</td>
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<td>Video clips about your work shared with participating students</td>
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<td>Press release</td>
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<td>Opportunity to participate in a MTFC webinar that reaches both students and teachers</td>
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<td>Logo on MTFC newsletter</td>
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<td>Opportunity for a Zoom meeting with teams in your region</td>
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“After talking to many actuaries, including students that are still getting certified, I feel as though I have a good idea of what being an actuary will entail, which is very important when considering my future career choices.”

—Modeling the Future Challenge participant