

DISCOVER 
PRESENTS

fuTuRe **City**
COMPETITION

HIGH SCHOOL

INFO SESSION
AUGUST 13, 2024

Welcome!



- This session will be recorded
- Drop any questions into the Q&A
- Short poll at beginning and end of presentation

Agenda

- Future City Overview
- Participation
- Team Structure
- Deliverables
- Timeline
- Support
- Next Steps
- Awards
- Q&A

DISCOVER PRESENTS fuTuRe CiTy COMPETITION

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What is Future City Why Future City Who Participates How It Works Future City High School

What is Future City High School?

High School STEM Program

Future City High School engages 9th through 12th grade students in imagining, researching, designing, and building cities of the future.

2024-2025 Challenge:

Design a floating city while providing two innovative examples of how your floating city works and keeps its citizens healthy and safe.

Emphasizing the management, students create an essay about a city solving the air pollution problem.

With a focus on critical thinking, problem-solving skills, and studying real-world applications, the competition culminates in a live presentation to STEM professionals.

Who Participates in Future City High School?

Students, Coaches, and STEM Professionals

Open to U.S. and International

“Future City has been an incredible opportunity for me to make new friends, learn more about engineering, and be treated like an actual adult.”

- FCHS Student

Team Structure Official Team

Overview

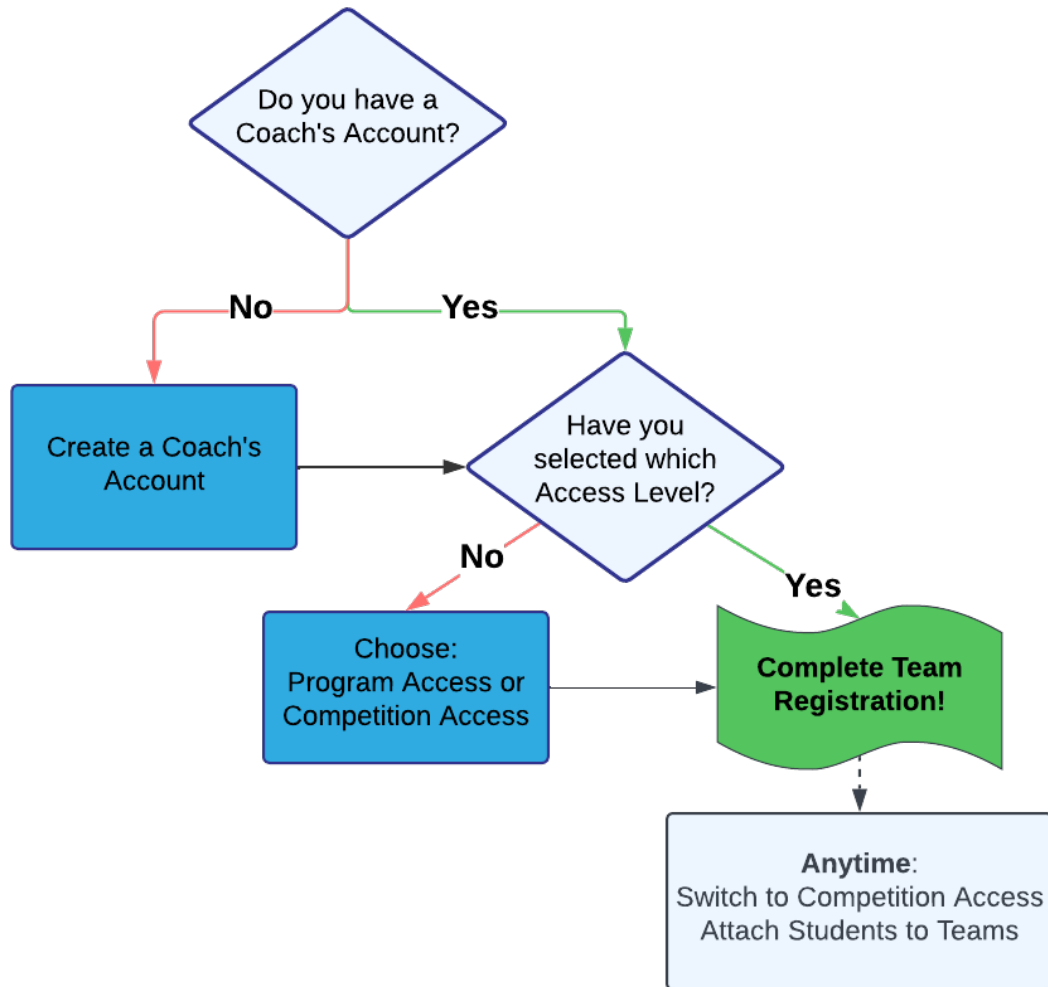


- FC starts with a question -
How can we make the world a better place?
- Students do what engineers do
 - Use Engineering Design Process and Project Management
 - Research, Design, and Build a city 100 years in the future
- Write an essay, build a digital model, and present to Judges

Skills and Benefits:

- Technical Writing
- Critical Thinking
- Problem Solving
- Confidence in STEM Ability
- Public Speaking
- Collaboration
- EDP & PM
- Digital Design in Revit
- Career Exploration
- Sustainability Issues
- Student-Led
- Cross-curricular
- Professional Guidance

Participation



Participation Levels

	Program Access	Competition Access
Future City Program Handbook	✓	✓
Resources and Activities	✓	✓
Monthly Coaches Calls	✓	✓
Deliverable Instructions & Rubrics	✓	✓
Digital Platform Support	✓	✓
Ability to Submit Deliverables		✓
Feedback from Judges		✓
Special Awards		✓
Scholarship & Cash Prize Eligibility		✓
Cost per team	\$300*	\$375

*Convert to Competition Access anytime after registration for an additional \$150.

Team Structure



- 3-5 students in grades 9-12
- 1 Coach – could be an educator, engineer, or anyone in between
- Ability to meet once a week for about 2-3 hours
- Computer and Internet Access

-
- No officially registered Mentor
 - No Regions – Each team is its own entity

Team Structure

Future City is open to kids in grades 9-12 who are from the same school, a home school environment, or are members of a nationally, regionally, or state-recognized youth-focused organization, such as the Boy and Girl Scouts, Boys and Girls Clubs, or 4-H.

Deliverables



- City Essay
 - 2,000 words
 - Must include an interview with engineer, technician, or relevant professional
- City Model
 - Built digitally using Revit
 - Rules and guidelines in the Handbook
- Project Plan
 - Use any digital project management tool of your choice
- Presentation/Q&A
 - Only required for those teams invited to Finals

Round	Deliverable	Points
Qualification Round	City Essay	54
	City Model	60
	Project Plan	Not Scored
In-Person Finals Round	Presentation/Q&A	65

Timeline



July	Coach and Student Registration opens
August	Future City Handbook released
September-December	Future City Teams kick off their projects by researching, designing, and building their essay and model.
January	Virtual Qualification Round (Competition Access Only)
February	Finals in Washington, DC (Competition Access Only)

Support

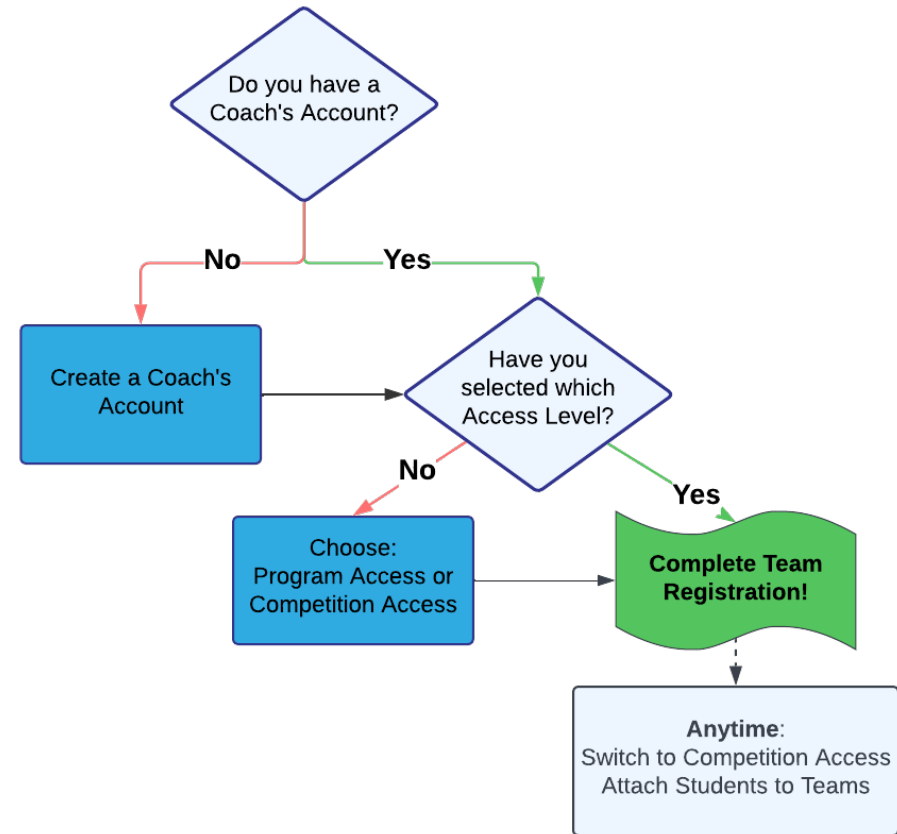


- Resources in Dashboard
 - Monthly Coaches Calls
 - Theme Webinar
 - Revit Webinar
 - Theme Expert Webinar
 - Mentor Panel
-
- Email me at Maddy@DiscoverE.org with any questions!



Next Steps

- Register as a Coach →
- Once team is registered:
 - check out the Resources,
 - brainstorm your timeline,
 - start to get familiar with Revit,
 - Register for Coaches Calls
- Read the Handbook thoroughly!
- Check out other DE activities and programs
 - Chats with Change Makers
 - [DiscoverE.org/engineering-activities](https://www.discovere.org/engineering-activities)



Awards



- Special Awards:

- Virtual judging of deliverables and answers to sponsors' questions
- \$1,000 Cash Prize

- Finals Awards:

- 1st Place:

- \$20,000 Cash Prize
- \$10,000/student Scholarship

- 2nd Place:

- \$14,000 Cash Prize
- \$7,500/student Scholarship

- 3rd Place:

- \$7,000 Cash Prize
- \$3,000/student Scholarship

Finals Information:

Washington, DC

February 14-18, 2025

Finals Timeline:

Feb 14/15: Teams arrive to DC

Feb 15: Welcome Party

Feb 16: HS Presentations

Feb 17: MS Presentations

Feb 18: Awards Ceremony

Q&A



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