

Future City



Future City is a authentic project-based program that brings STEM to life for 6th, 7th and 8th graders.

Doing things that engineers do, kids build cities of the future showcasing their solution to a citywide sustainability issue.

This year's challenge—**climate change**.

"Future city is an easy way for kids to have fun, and learn more about STEM."

– 8th grader from Idaho

Benefits to Students

- ✓ TeamWork
- ✓ Time Management
- ✓ Problem Solving
- ✓ Public Speaking change
- ✓ Math & Science Skills Improved
- ✓ Leadership & Independence
- ✓ Confidence



Resources

- Step-by-Step Guide
- Electronic Dashboard
- 30+ Activities
- STEM Mentor
- Regional Competition

What's needed

- Dedicated Program Facilitator
- Ability to meet once a week for 2 to 3 hours
- Internet access for research
- Access to LOTS of different kinds of recycled materials
- Place to build and get messy
- \$25.00 Registration Fee (per organization)
- Up to \$100 budget for model and presentation materials (*most teams do not spend full amount*)
- Minimum of three middle schoolers (*no team size limit*)

Timeline & Key Dates



Future City Engineering Mindset Connections

- Future City is built on three pillars:
 - Engineering Design Process
 - Project Management
 - Competition Deliverables Framework
- Students do the things that engineers do—identify problems; brainstorm ideas; design solutions; test, retest, and build; and share their results.
- Not only are they prepared to be citizens of today's complex and technical world, they are poised to become the drivers of tomorrow.



3 Ways to Participate

1. Resources only

Free access to Future City's full suite of materials.

2. Partial Competition

Great for first time teams. Complete one or two deliverables. Eligible for some special awards in certain regions.

3. Full Competition

Complete all deliverables and fully compete in regionals. Eligible for special awards and prizes.

Regional winners compete in the Finals in Washington, DC. Transportation, hotel and some meals are covered for the five official team members. size limit)