

Dreams Need Doing

Maybe you have been dreaming of a way to inspire students and answer their perennial question: when will I ever use this stuff? Your students dream about making a better world, and engineers design and build things that matter.

The National Engineers Week Future City® Competition helps 6th, 7th, and 8th graders make dreams a reality as they imagine, design, and build cities of the future. They'll use math, science, and technology to 'do' engineering. Along the way, they'll tackle real issues affecting real people,

discover engineering as well as talents, confidence, and insights they never knew they had. They'll act as citizen engineers in a future world while becoming more aware citizens in their own communities.

What Future City Can Do for You

Future City brings science, technology, and math alive! And, by adding engineering, puts the E in STEM. Future City integrates, project-based learning across curriculum with computer simulation. It is accessible for multiple learning styles, abilities, and interests. Program components align with national and state standards, 21st Century Skills recommendations, and promotes life and work skills like...

- Mapping
- Making and using scale models
- Project and time management
- Using technology to collaborate and create

Through Future City you will be connected to local STEM professionals, and your students will learn more about various STEM careers.



**National Engineers Week
Future City® Competition**
1420 King Street
Alexandria, VA 22314

National Engineers Week Future City® Competition

Dreams Need Doing

Don't just dream about the future...

- Design it!
- Build it!
- Show it!



What Your Students Will Do

Students work in teams with a teacher/coach and a mentor who contributes real-world STEM knowledge.

Students will:

1. **Design** a city 150 years in the future using SimCity 4 Deluxe™ software.
2. **Research** an engineering problem.
3. **Write** an essay on their solution.
4. **Build** a tabletop scale model using recycled materials.
5. **Present** their model and ideas to engineers at the regional competition in January. The regional winners receive a trip to the National Finals in Washington, D.C., in February.

Your students will have a new interest in how their communities and world work and a better understanding of their place now and in the future, through their:

- Reasoning, observation, inquiry, and strategy skills.
- Understanding of and ability in the design process.
- Ability to work in teams.
- Research, writing, and verbal presentation skills.

“Future City is maybe the single best thing I do in teaching. It has a big impact on many of my students and makes STEM look cool to kids!...”

— Teacher Comment 2010



Future City In Your School

Single team from one school or classroom (three students).

Multiple teams from one school or classroom (multiple groups of three students).

Large group or classroom collective effort (more than three students working together).

Check with your Regional Coordinator for the maximum number of a school's teams allowed to compete.

DO IT!

Registration is only \$25 and includes:

- Teacher Handbook with project plan and index to curricula fit.
- SimCity 4 Deluxe™ Software.
- Future City resources.

To register visit:
www.futurecity.org/registration

National Engineers Week Future City® Competition is open to students from grades 6th, 7th, and 8th who are from the same school or a home school environment. Every registered school is eligible to compete at the regional level. At the regional and national levels a competition team is strictly defined as three presenting students, the teacher/coach, and the engineer mentor.

Future City is a program of the National Engineers Week Foundation



I've done this competition for the past 2 years and I LOVE it! It allows for an authentic learning experience in math and science and introduces the children to engineering. My favorite part is how the week after, the children are already planning what they're going to do next year!

— Teacher Comment 2010

Contact your Regional Coordinator at: