

National Engineers Week Foundation



The National Engineers Week Foundation, a formal coalition of more than 100 professional societies, major corporations and government agencies, is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science. Engineers Week also raises public understanding and appreciation of engineers' contributions to society. Founded in 1951, it is among the oldest of America's professional outreach efforts.

www.eweek.org

“Future City brings students together to work in teams; it creates group dynamics; and it is cross-curricular, touching math, science, engineering, language arts, art, social studies, economics, government, reading, writing, and arithmetic.

— Richard Flickinger, teacher at Leo Jr./Sr. High School in Leo, Indiana, the winning school in the 2008-09 Indiana Regional Competition.

Contact Us

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

National Engineers Week

FUTURE CITY COMPETITION

Don't just talk about the world!
Change it!

The Future is in the
hands of tomorrow's engineers



www.futurecity.org

What is the Future City Competition?

The National Engineers Week Future City™ Competition is a hands-on, real world learning experience for middle-schoolers designed to show them how engineers shape the world!

Seventh and eighth grade students use their math, science, and problem-solving skills to create the world of tomorrow as they compete with other schools from around the country to see who can engineer the most innovative and inventive cities of the future.

Now in its 18th year, Future City is recognized by the education and engineering communities as one of the nation's leading programs for enabling students to make the connection between math and science to engineering through its real world applications.

2009–10 Challenge:

Create an affordable living space for people who have lost their home due to a disaster or financial emergency.

Keep It Green!

The living space should use sustainable materials, have a low-carbon emissions footprint, and achieve the "Green Ideals" of energy efficient building.

We are looking for teacher-coaches and engineer-mentors to help us build our program. If you are interested in volunteering, please go to www.futurecity.org for more information.

"Engineers are involved in every aspect of building a city. We discovered how necessary they are and now we know the reasons why."

— Tom Krajnak, student from the 2008–09 Future City National Finals Winning Team, Bexley Middle School, Bexley, Ohio



STUDENTS WILL:

- Discover how engineers make a difference in the world.
- Incorporate research, writing, and presentation skills.
- Learn about the real-world applications of engineering.
- Use their creativity to solve problems.
- Collaborate as a team and build communication skills.
- Have fun and find unique skills and aptitudes they never knew they had.

Competition Logistics

1. REGISTER YOUR SCHOOL

- Sign up online or contact your Regional Coordinator at www.futurecity.org.
- Choose a participation option:
 - School/classroom based
 - School/team based
- Submit a registration fee of \$25 (payable by check or credit card, no purchase orders).
- Receive your necessary competition materials.

2. CREATE A UNIQUE LEARNING EXPERIENCE

- Design a computer model of the city using SimCity gaming software.
- Research the challenge and write an essay and city narrative.
- Build a table-top model of the city using recycled materials.
- Prepare an oral presentation for the competition and show off the city.
- Align program deliverables with national education standards.

3. HAVE FUN

- Participate in your regional competition against other schools.
- Vie for the chance to come to Washington, DC for the National Finals in February during Engineers Week.
- Win prizes and awards recognizing your team's accomplishments.



Register online by
October 31, 2009
www.futurecity.org