

future City

COMPETITION

ABOUT THE COMPETITION

The Future City Competition is a free, national, project-based learning experience where 6th, 7th and 8th grade students make their dreams a reality as they imagine, design, and build cities of the future. Students use science, technology, engineering and math to tackle real life issues affecting people today while discovering new talents, confidence, and insights.

Beginning in the fall, the students work in teams of 3 or more along with an educator and engineer mentor to develop a virtual city using free SimCity software. The students then research and develop solutions to an engineering problem as part of a technical essay; build a tabletop scale model of a portion of their city with recycled materials; and present their Future City and ideas before judges at a Regional Competition in January. Winners represent their region at the National Finals in Washington, DC in February during National Engineers Week.

Phase I: Design a Virtual City

Students use SimCity to design a city taking into account city planning and management of services.

Phase II: City Description

Students write a 1500 word essay describing their Future City features and solutions to an engineering design problem. The theme for 2015-16 is "Waste Not, Want Not: Design an innovative city-wide solid waste disposal system for your future city that is safe, environmentally sound, and energy efficient."

2014 Idaho Regional Winner
Lake Hazel Middle School
Future City ENAC
Evolutionary Neolithic Agricultural Community



Phase III: Build a City Model

Students build a physical model of a section of their city using recycled materials with one moving part.

Phase IV: Verbal Presentation

Students give a 7 minute presentation discussing features of their Future City followed by questions from volunteer, professional engineer judges.

Future City provides students life and employment skills including mapping, making and using scale models, project and time management, using technology to collaborate and create; all while sharpening their presentation, reasoning, observation, inquiry and strategy skills.

More information at www.futurecity.org/Idaho or
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