

While computers and the Internet have become daily fixtures in our lives the United States is steadily losing the engineering talent to program and maintain them...

Learn to Program!!!
Free Webinars for students
starting in September 2010
register for updates at:
www.fire.cs.cmu.edu



Fostering Innovation through Robotics Exploration

Mission: To inspire and prepare over one million new students to pursue Computer Science & STEM careers



Free Programs that Inspire and Promote CS-STEM Excellence for all Students

Carnegie Mellon is Developing a Mutually Reinforcing Network of

Web-Enabled Tools and Databases that Track Students' Progress

The database is designed to draw students into other STEM activities, and provides personal and social incentives as students progress.

Cognitive Tutor Enabled Web-based Training Tools

This online software uses Artificial Intelligence and robotics to teach mathematical competency, computer programming, and algorithmic thinking.

A Game Like Virtual World to Test Robot Programs

This online software enables students to write robot programs using robot competition software and test their robot's program in a virtual world.

An Autonomous Multi-Robot Competition

Designed to teach multi-agent communications, shared decision making, resource allocation, and disciplined engineering process.

An Alice Animation Competition

Designed to fit into existing organizational structures, including robotic competitions, where students create 3D stories, animations, marketing materials and games. Alice has been proven to be very effective at reaching girls and maintaining their interest in computer science.

Activities & Curriculum Designed to Promote Computational Thinking



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