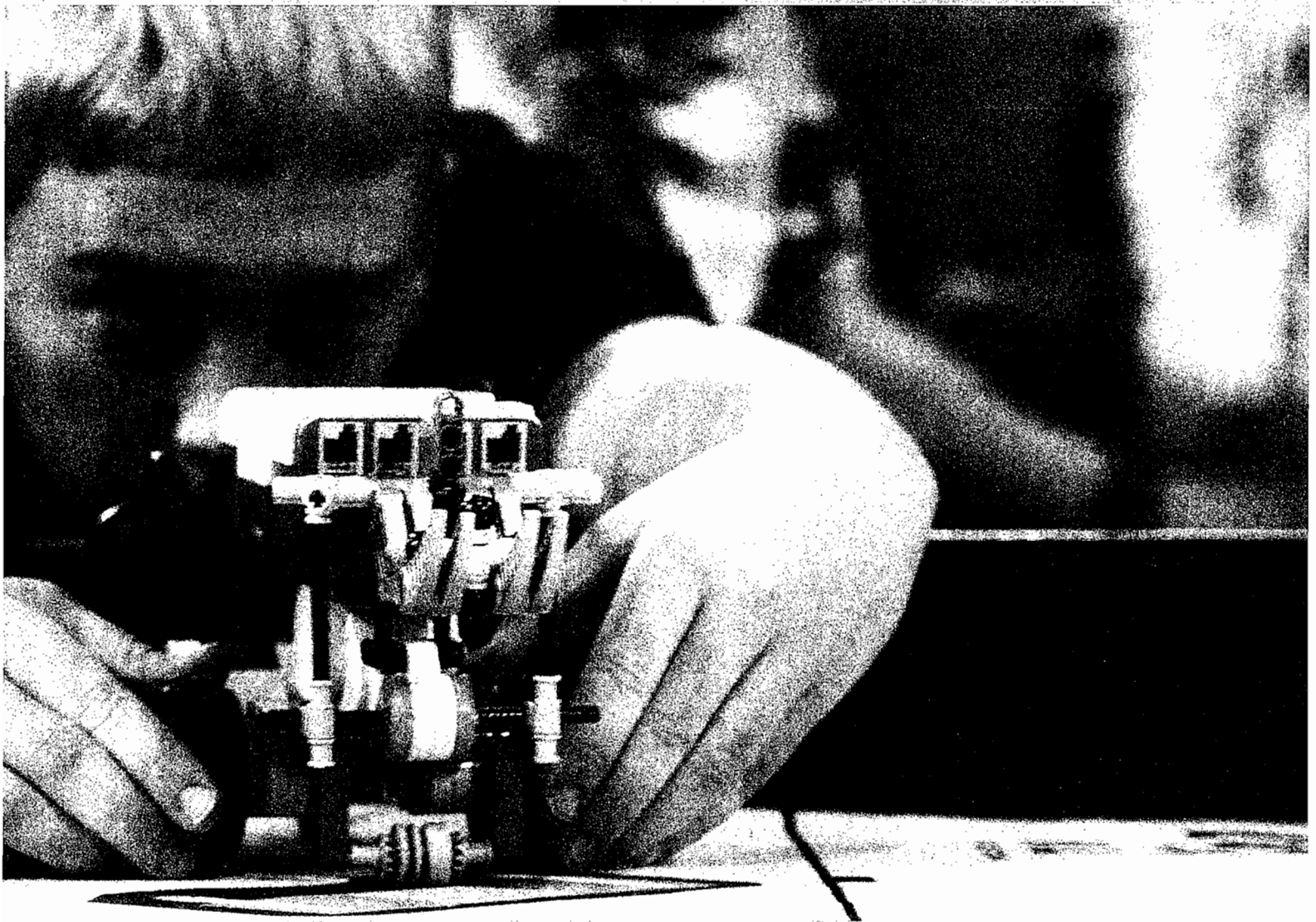
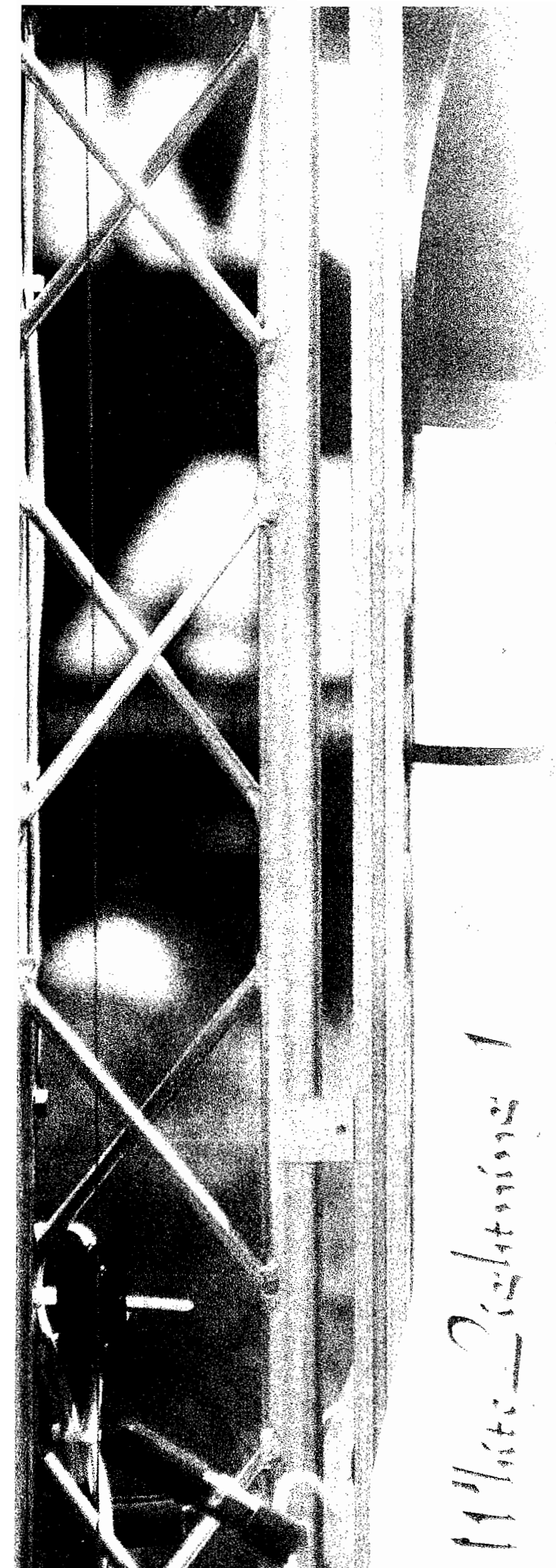


To engage and motivate students.



**Rockwell  
Collins**  
Building trust every day



White Revolution 1

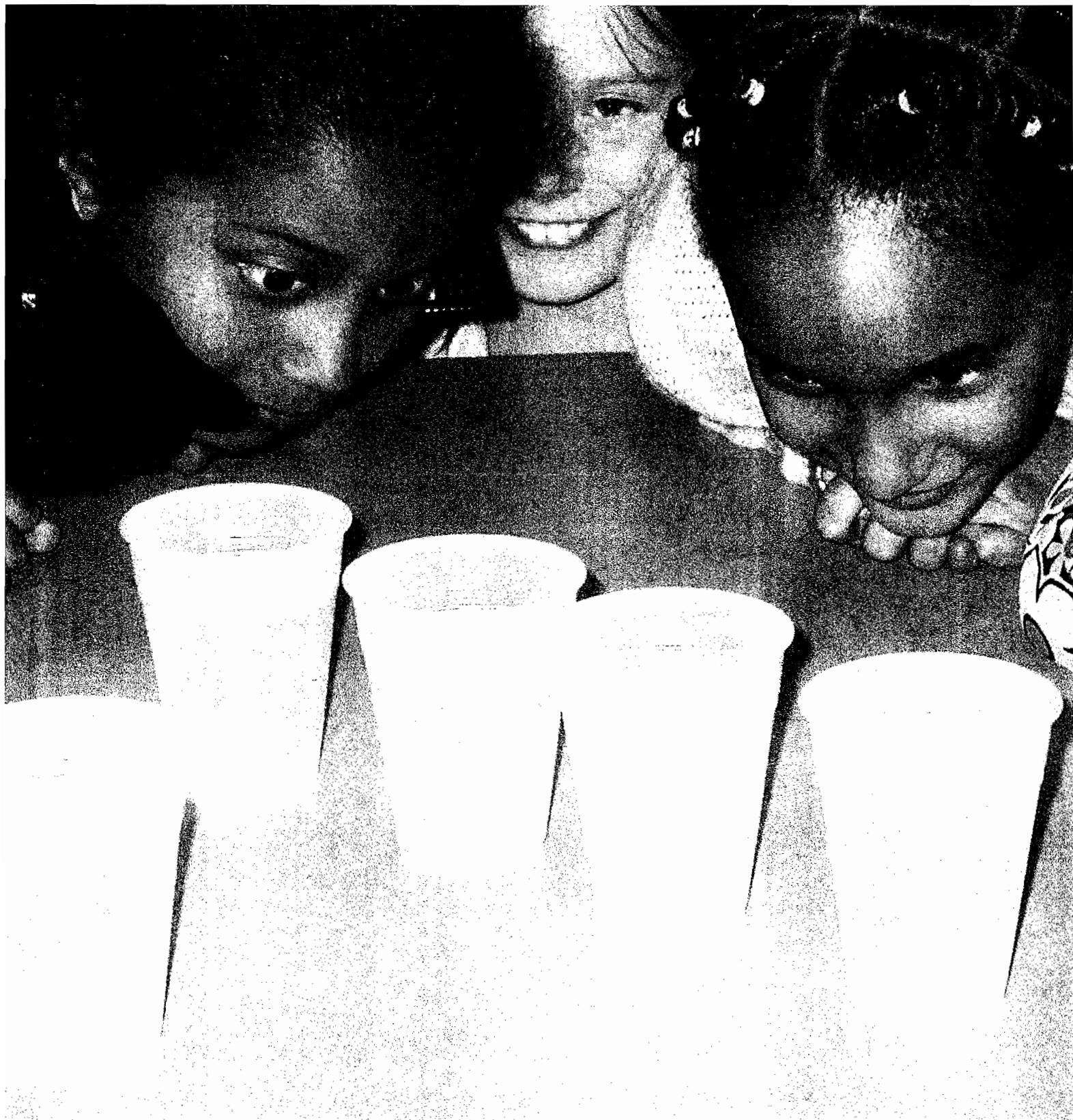
## What we're about

### Engineering Experiences

At Rockwell Collins, we understand the importance of creating trusted relationships ... with our employees ... our customers ... our shareowners ... and our communities. We also recognize the value of forming positive relationships with students who will become the next generation of engineers and innovators.

It's no surprise then, that our employees spend about 15,000 hours each year connecting with elementary through high school students in ways that expose them to careers in Science, Technology, Engineering and Math, or STEM. Through the Engineering Experiences initiative, our employees work together with area educators to enhance the development and potential of today's youth.

Some of our employees volunteer weekly in classrooms tutoring students in math or reading. Others assist teachers with computer programming and hands-on science or business education programs. We also have men and women who serve as mentors for activities such as FIRST LEGO League, FIRST Robotics and the Future City Competition.



*The purpose of our Engineering Experiences program is to engage and motivate students through positive, hands-on experiences and personal relationships. We are dedicated to enhancing educational experiences for our youth and helping them become successful and confident.*

# A world of discovery

## Hands-on learning

Engineering Experiences grew out of the Rockwell Collins K-12 Partnership Program, which was established in 1990 in Cedar Rapids, Iowa. The newly named Engineering Experiences was launched in August 2007 to align more closely with key components we feel are essential to student success ... specifically math and science ... and to which our employees can substantially contribute.

In this context, "engineering" means creating, innovating, discovering ... all the things students are naturally good at and get excited about. It also describes the core of what Rockwell Collins is all about ... creating new approaches to old challenges, designing innovative solutions for our customers and discovering how to apply knowledge in new ways. Although not all our volunteers are engineers by training or education ... they are innovators and creators.

The "experiences" half of the name is for the hands-on nature of the programs in which we engage ... experiences designed to take learning out of the textbooks and into the hands of our students. These activities support classroom learning with interactive experiences and mentoring relationships with our employees and retirees.

Engineering Experiences includes programs such as FIRST LEGO League, Engineers Week, Future City, Project Lead the Way and our REACT computer donation program. It also extends to the relationships with our partners in industry, our universities and our communities.









## Share. Learn. Inspire.

### A team approach

Engineering Experiences encompasses a wide variety of activities designed to meet the needs of our diverse workforce and area schools. The cornerstone of this program focuses on promoting math, science and engineering in ways that are fun and challenging, often with team-based activities. Students and employees share knowledge and experiences ... work together to learn about a certain topic or subject ... and inspire each other to reach toward their fullest potential.

## The FIRST connection

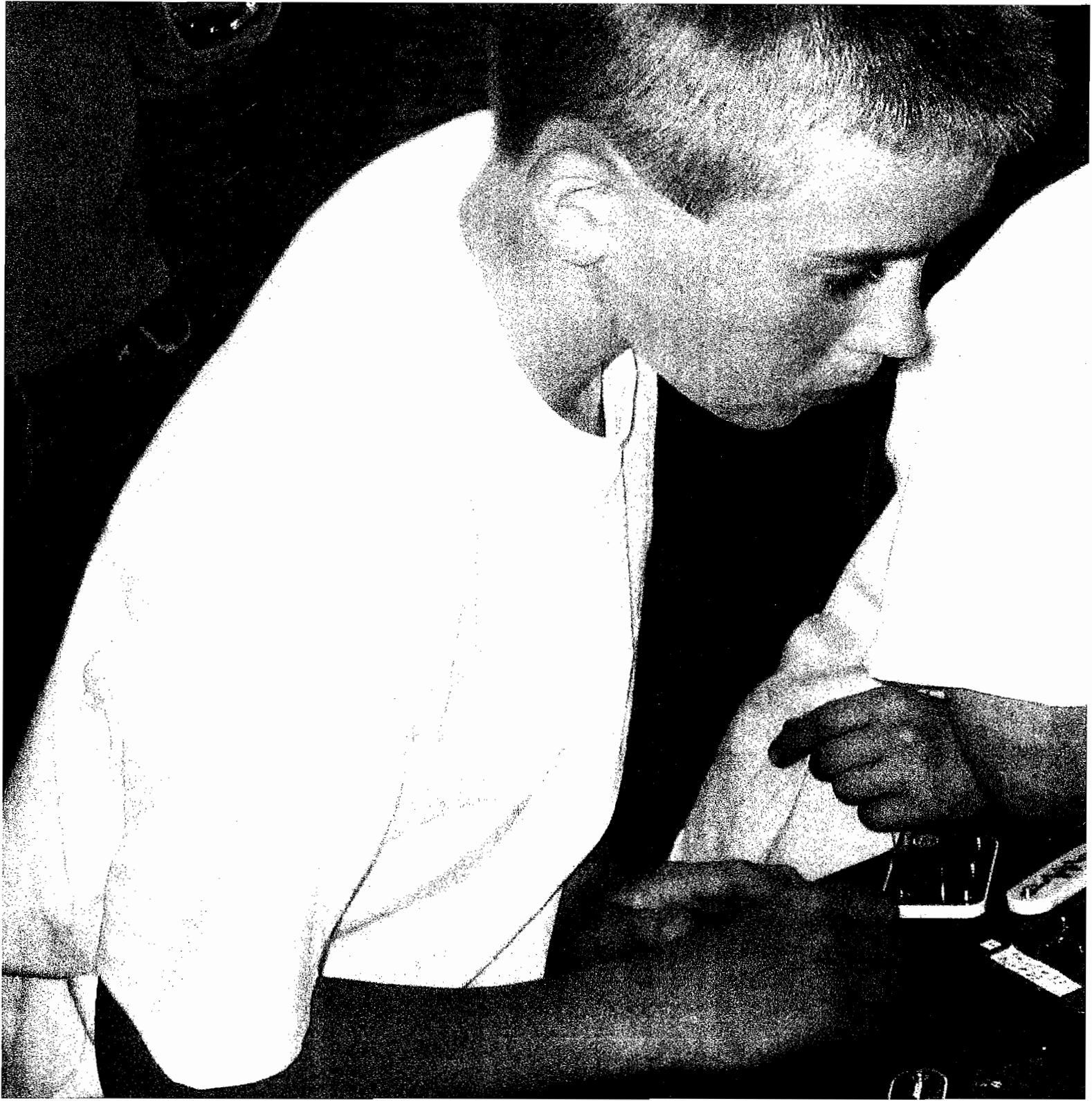
The anchor of Engineering Experiences is a partnership with FIRST, a non-profit organization that coordinates multinational programs teaming professionals and young people to solve engineering design problems in intense and competitive ways. Our partnership includes team and tournament sponsorships, teacher training and rewards, and Rockwell Collins employee and retiree involvement. FIRST is present across the U.S. and the globe, making these programs available to nearly any Rockwell Collins employee who would like to be involved.

In FIRST LEGO League, our engineers assist students with building unique robot inventions by using LEGO bricks and other elements such as sensors, motors and gears. Rockwell Collins is committed to growing the number of FIRST LEGO teams in Iowa and in Rockwell Collins communities across the United States, to involve and inspire more students.

FIRST Tech Challenge, for high school students, combines the project approach of FIRST LEGO League with the excitement and innovation of FIRST Robotics. Students work in teams to design, test and program larger-scale robots. Rockwell Collins' goal is to introduce FIRST Tech Challenge in Iowa and eventually make the program available to every high school in the state, so no student is denied the opportunity to participate in this exciting hands-on activity.

For more information, visit <http://www.usfirst.org>.





## Real world connections

### Making a difference

An annual international event, Engineers Week – or EWeek – includes a variety of outreach activities aimed at students in grades K-12. At Rockwell Collins, our engineers partner with professional engineering organizations as well as colleges, universities and other business volunteers to talk with students about what engineers do, and to share the importance of a strong educational foundation in math and science. At Rockwell Collins, we also partner with area schools

and community organizations to host events featuring fun, hands-on activities designed to spark interest and to create excitement about engineering careers.

The Future City Competition is one of EWeek's flagship programs in which seventh- and eighth-grade students work with engineering mentors to create and present their vision of a future city.



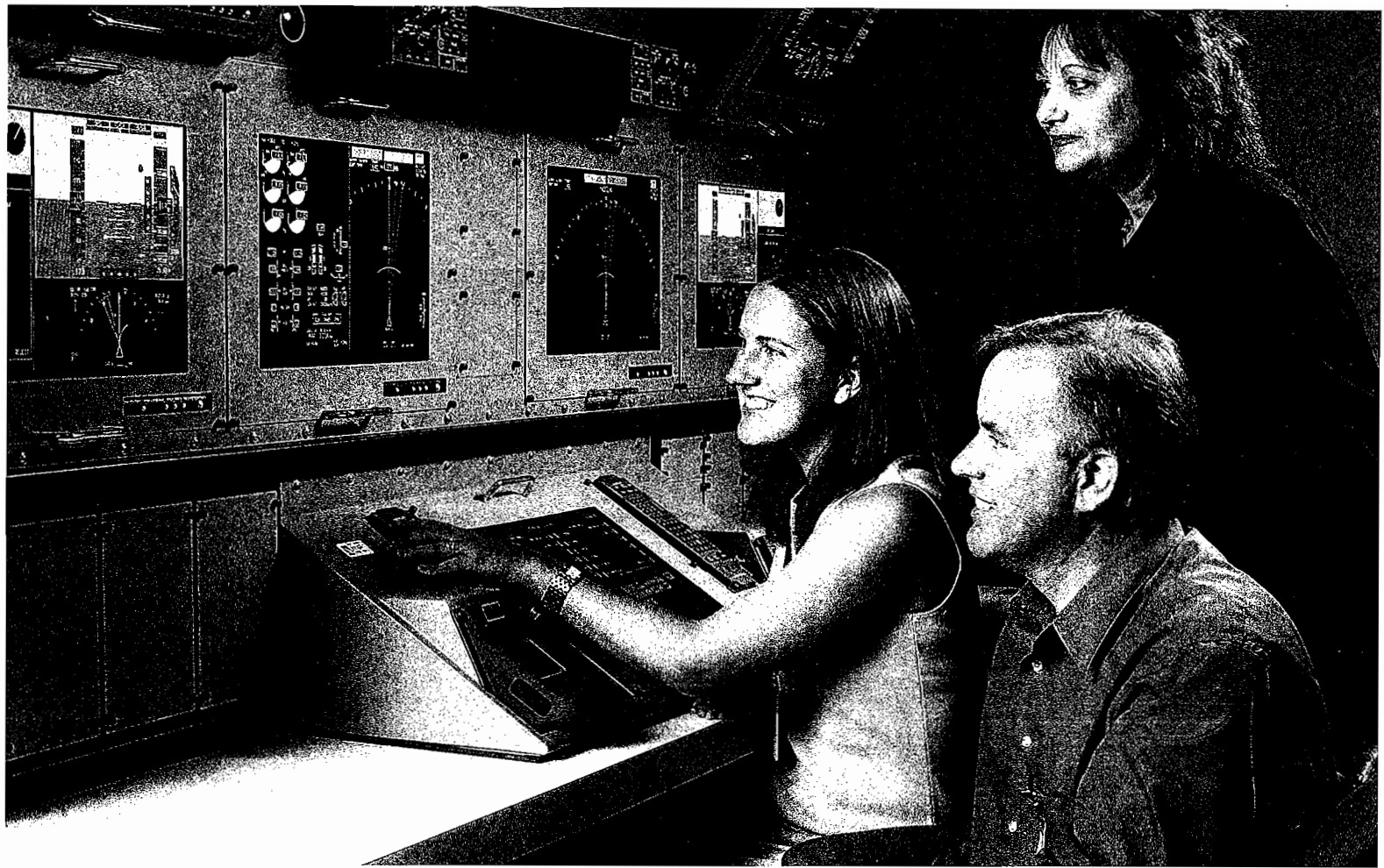


Students use problem-solving, research and presentation skills, and computer techniques, as well as practical math and science applications in a team-based approach. Regional competitions culminate with finals in Washington, D.C., pitting the best student teams against each other.

An initiative to recruit more women into engineering fields led to the creation of "Introduce a Girl to Engineering." Rockwell Collins has

created a special event pairing eighth-grade girls with our female engineers. Our mentors provide information and share stories about how they've achieved success. They also share the special challenges that women face in a traditionally male-dominated profession. It is one of the most popular events held at our Cedar Rapids campus.

For information on all EWeek activities and programs, visit <http://www.eweek.org>.



## It takes community

### Making career connections

One of the best ways for students to explore careers in engineering is to see professionals in action. Job shadowing and internships are two programs that provide students with line of sight from the classroom to the workplace.

Job shadows pair students with workplace mentors for all or part of a regular work day. Internships provide an extended experience, working under the guidance and direction of workplace mentors for several weeks. Both activities allow our employee volunteers to share knowledge and experience that will help advance students' understanding of the career options available to them.

Many communities have established intermediary network organizations that serve as the link between area schools and businesses. These non-profit groups help create one-stop shops for connecting students to workplace experiences. In Eastern Iowa, The Workplace Learning Connection serves in this role, helping streamline the process for educators and employers such as Rockwell Collins.

### Building on the basics

Although the primary focus of Engineering Experiences is math and science, many employees enjoy connecting with students through activities that support basic skills such as reading and writing. The Pen Pal Program allows employees to communicate monthly with elementary school students, giving students an opportunity to practice their writing skills and establish relationships with positive adult role models. Employees from all functional areas enjoy sharing stories about their jobs, families and hobbies.

Rockwell Collins' Engineering Experiences just wouldn't work without strong relationships and partnerships with various community organizations. While the organizations may differ in programming and activities, all rely on the commitment of volunteers – not only to give of their time, but to encourage others to share their talents and experiences.

### Partnering for success

Our volunteers work with students and teachers, engineering discovery and a real-world context for math and science. By exciting students with creative applications of the content they've studied in textbooks, we are inspiring the next generation of engineers and taking the intimidation factor out of science and math education. Our employee and retiree volunteers are helping to build the self-confidence that helps kids say "I can do it ..." an outcome that provides the motivation for all of our Engineering Experiences.



How do I get involved?



## Building trust every day.

Rockwell Collins is a leading provider of avionics and avionics systems for the world's airlines. Backed by a global network of service centers, we are committed to providing the highest quality products and services to our customers. For more information, visit [www.rockwellcollins.com](http://www.rockwellcollins.com).

## For more information contact:

Rockwell Collins  
400 Collins Road NW  
Grand Rapids, MI 49508  
432.664.0000  
[www.rockwellcollins.com](http://www.rockwellcollins.com)

**Rockwell  
Collins**

Building trust every day.