



# STRENGTHENING YOUTH THROUGH **EXPLORING**<sup>TM</sup>

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## ENGINEERING & TECHNOLOGY

# WHAT IS EXPLORING™

Exploring is all about helping young men and women in sixth grade through 20 years old to make a more informed decision about future careers and determine if a particular career is the right one for them. Typically, a young adult will either: 1) get involved, learn about a career, and decide to pursue it; OR 2) learn enough about the career to determine it's not the right fit for them. It's better to learn as a young adult that a career is not for you, than after spending lots of money on an education only to THEN discover you don't like the career!

Exploring leaders volunteer their time to provide real-world career experiences for young adults. Exploring is not about lectures and slide shows—it's about gaining practical experience in a career field. The result is a program of activities that helps youth pursue their special interests, grow, and develop.



## ENGINEERING & TECHNOLOGY

Explorers get to experience firsthand what it's like to be on the cutting edge of engineering and technology, design the layout of a city, draw blueprints for a new building, write a software program, test durability of certain materials, build a robot, and so much more!

### EXPLORERS WILL:

- Develop work experiences to begin building their résumé
- Understand the importance of teamwork in a professional setting
- Participate in hands-on projects
- Network with professionals who work in these careers daily and who use the latest technology, are aware of emerging trends, and know what it takes to get into college for their specific career
- Learn about the educational requirements for a career in engineering and technology

## TESTIMONIALS

I was in a Chemistry post and decided that wasn't for me. Next I joined a Mechanical Engineer post. It is a great program that helped me associate the concepts I am learning in high school with practical uses in the real world.

—FRANK B.  
EXPLORER

The program was very helpful because each field of engineering was explained in great detail and it narrowed down my child's career choice.

—CAROLINA M.  
EXPLORER PARENT

I attended several Explorer post meetings when I was in high school. I have been an advisor for the Eli Lilly & Company sponsored Engineering Explorer post since it started in the spring of 1992. It has been fun to watch Explorers learn about engineering and see several go on to engineering school. I have also had the pleasure to witness one of our students graduate from an engineering school, come to work for our company, and become an advisor in our post.

—DAVID A.  
EXPLORER ADVISOR

Learn more at [www.exploring.org/engineering-technology](http://www.exploring.org/engineering-technology).

## EVERYONE WINS WITH EXPLORING!

Exploring will be one of the best opportunities you offer your company, your employees, and the youth of your community.

### COMPANY BENEFITS

- Cultivate and recruit future employees
- Reduce employee turnover and training expenses
- Impact the education process of youth
- Demonstrate visible commitment to the welfare of the community

### EMPLOYEE BENEFITS

- Be an integral part of shaping a young man's or woman's future
- Increased opportunity for advancement within the company

### YOUTH BENEFITS

- Practical, real-world career experiences
- Develop character and leadership skills
- Make new friends
- Obtain experiences that can be listed on college, job, and scholarship applications

### SCHOOL BENEFITS

- Meet state or federal career education standards
- Partner with local businesses
- Extend the classroom beyond the school day
- Gain access to a free career interest survey

## 5 AREAS OF EMPHASIS

CAREER OPPORTUNITIES

LEADERSHIP EXPERIENCE

LIFE SKILLS

CITIZENSHIP

CHARACTER EDUCATION

**OUR VISION** Shape the workforce of tomorrow by engaging and mentoring today's youth in career and life-enhancing opportunities.





## POPULAR ENGINEERING & TECHNOLOGY CAREERS INCLUDE:

- Aerospace engineers
- Agricultural engineers
- Biomedical engineers
- Chemical engineers
- Civil engineers
- Surveyors
- Industrial engineers
- Mechanical engineers
- Geological engineers
- Petroleum engineers
- Software engineers
- Architects
- Environmental engineers
- Robotics

**EXPLORING**<sup>™</sup>  
DISCOVER YOUR FUTURE