FIRST® Tech Challenge IMPACT

The majority of *FIRST* Tech Challenge participants participate in key STEM activities on the team and experience gains in a number of outcomes such as:

STEM AWARENESS, SKILLS, INTENT

Explain process in Design the robot or

part of the robot

Interested in becoming a scientist or engineer

Understanding of the engineering design process

Increased interest in going to college

designing a robot

Increased interest in doing well in school

awareness

Greater STEM

Increased desire to learn more about

More interested in a job or career in STEM

21ST CENTURY **WORK-LIFE SKILLS**



Self confidence



Team work



Solve disagreements

LEADERSHIP, INNOVATION, **ENTREPRENEURSHIP**





Use math to solve a real world problem



Solve unexpected problems

Source: Cross Program Evaluation of the FIRST® Tech Challenge and FIRST® Robotics Competition (2011). Center for Youth and Communities, The Heller School for Social Policy and Management, Brandeis University

