

CITY HALL PRESENTATION

I. THE INTRODUCTION (Saketh)

Hi, I'm Saketh, and this is team Beta, an FTC team. We're part of an international robotics organization called FIRST that promotes STEM education.

II. THE "ASK" (Chase)

We've been in this program for three years, and this season, we have a \$12,675 plan to start a new team in order to share our experiences. Our end goal is to have four teams in our district, spreading the impact of *FIRST* and STEM education. We want future generations to have the opportunities we've had, to be able to do what we do.

III. WHAT WE DO (Sidd)

Every year, we're given an objective [highlight game manual and crate] and a kit [highlight kit]. The idea is up to us. Our objective last year was to build a robot that can manipulate racket balls as well as lift crates. [Robot begins lifting] In order to do this, we must utilize skills like programming [highlight controller], three-dimensional CAD modeling [highlight laptop], and designing [highlight engineering notebook]. The lessons we learn in the classroom are also applicable to this program. We use math and science to help us in FTC while using what we learn in FTC to help us in school.

IV. OUR SUCCESS (Daniel)

As a team, we've been very successful. We won the state competition and competed in the world competition for the past two seasons in a row. Additionally, we were nominated for an award for a promotional video that we created at the 2012 World Championship. In FTC, we are not only judged by our robot's success, but our cooperation as a team and our impact on the community. These attributes are what we call "Gracious Professionalism."

V. IMPACT (Annie)

This program has had a large impact on our personal lives, and we would like to share a few personal experiences with you:

-Annie's story

When I was younger I really enjoyed engineering and problem solving. However, when I got older I lost my interest in problem solving and STEM. After joining FTC my interest was rekindled and love for engineering. It helped me realize that

-Sidd's story

Personally, FTC has had a large impact on my life due to opportunities that I wouldn't have otherwise had. Mainly I had the opportunity to start an internship at a web design company here in West Des Moines.

(Annie) Over the year's we have impacted more and more people with the presentations we give and the outreach we conduct. Whether we're talking to a small business, or an assembly of four hundred students, the number of people we are reaching out to is constantly increasing.

VI. CONCLUSION (Saketh)

These are the types of experiences that we'd like to share with the community. But in order to accomplish these goals, we need funding. We, as a team, hope to ensure the continued expansion of this program and STEM education, involving students and professionals.