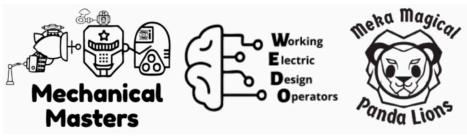
Trinity FIRST Lego League Junior Teams Presentation
Wednesday, Dec. 11th, 2019, 8:00am Community Time Assembly
BHH Commons

Students: Please wear your team T-shirt!

Speaker	On Screen
Ms. Mackenzie or Ms. Venkatesh intro	TRINITY ROBOTICS
ADDIE: We are Trinity's 2019 FIRST Lego League Junior teams. We participated in the school's inaugural FIRST workshops that met on Wednesdays throughout the fall. We spent 12 weeks working on the FLL Junior challenge called Boomtown Build.	
HUGO: Boomtown Build's theme was about growing communities and the need for building environmentally friendly, accessible, and durable structures.	
JACK: The word "FIRST" means "For Inspiration and Recognition of Science and Technology." FIRST and Lego sponsor the robotics programs "FIRST Lego League" for middle school students and "FIRST Lego League *Junior"* for students our age.	FIRST®

OWEN: One difference between FLL and FLL *Junior* are that the middle school robot “brains” have a few more options for motors and sensors. But they both teach you about inputs and outputs and how code tells the robot how to respond to its environment.	
MIA: FLL also has a competitive format while FLL Junior teams rise to the challenge of sharing their ideas with an audience, which is what we’re doing right now. On the screen, you can see one older Trinity team figuring out how to earn points for their City Shaper mission.	
MALCOLM: People who continue with FIRST robotics in high school and college no longer use Lego parts but many of the general principles of gears, sensors, motors, and programming are the same. This picture gives you a sense of the robot size. I got to see some amazing robots recently when I went to a lecture a UT.	
NALIN: Our FLL Junior teams were named The Mechanical Masters, The Meka Magical Panda Lions, and The Working Electric Design Operators or WeDo for short, which are the Lego kits we used. We designed the team T-shirts we’re wearing.	
HENRY W: For our Boomtown Build challenge, we learned about the need for buildings to be fully accessible to people with a wide range of physical ability. We also learned about the risk of natural disaster and how some engineers design buildings for resilience to earthquakes and flooding.	

WESTON: We also thought about what “renewable energy” means and where our resources, like water and energy, come from.	
HENRY N: We were tasked with building a replica of a building or public space that included one or more features of accessibility, durability, or environmental friendliness. We had to include one motorized element, integrate a crane, and be creative.	 
CONNOR: Working well in a team is one of FLL Junior’s big Core Values and we spent a lot of time discussing our ideas...and of course playing with Legos. Now, we’re going to show you a video of us at work.