



## FIRST® LEGO® Teams Learn About Hydrodynamics

### FIRST LEGO League Teams Explore Hydrodynamics During TWI Tours

The FIRST® LEGO® League challenges teams of students in grades 4-8 to solve a real-world problem by creating a unique invention to help society. The program focuses on STEM subjects (Science, Technology, Engineering and Math) and encourages students to explore careers in these fields.

The theme for this year's challenge is hydrodynamics and two local groups chose to start their research with tours of TWI sites as they explore how we find, transport, use and dispose of water. The teams call themselves "Chicks with Bricks" and "Aisle of Misfit Toys" and represent schools from across Lucas County.



The teams "Chicks with Bricks" and "Aisle of Misfit Toys" pause for a photo before starting their tour at the Bay View Wastewater Treatment Plant.

On Wednesday, Sept. 13, Chicks with Bricks gathered in the field trailer of the International Park Storage Basin construction site where they learned about the TWI program and how the storage basin will function when complete. Armed with this new information, they toured the project site.

"We discussed the combined sewer system and how and why we decided to place a basin at the park," said David Selhorst, project engineer. "They also learned about the types of science used in the analysis and design of the project, and how hydrodynamics are involved in the basin operations."

Both groups visited the Bay View Wastewater Treatment Plant on Sept. 20 to learn more about the power of water, how wastewater is treated and the importance of being good stewards of the water we use.

"The tours were amazing," said Page Sloma, FIRST LEGO League coach. "It sparked some great questions, conversation and ideas."

The teams will use the information gathered from their tour to complete their research assignment, which will be presented at the FIRST LEGO League tournaments this winter.



Chicks with Bricks poses with David Selhorst, project engineer, City of Toledo Division of Water Reclamation, following their tour of the International Park Storage Basin.