

8th Grade Lego Robotics and FLL
Brumer Middle School

The 8th grade Lego robotics students began the year with some students having to share a EV-3 lego robot. By the students sharing the robot it did not give them the exposure needed to complete understand programming and engineering. The students had to rotate and take turns with completing each task of engineer or programmer. The long wait caused some of the students to become disengaged in the class and they would put their focus elsewhere.

However, after applying and obtaining a grant, Ev3's were purchased and all students now are able to have two students to a robot. This means that each students has the ability to do something with every projects, either programmer or engineer. They students became more involved in their projects and as a result of their hands-on work their grades increased as well.



The students also participated in FLL and had a wonderful time. They built an awesome robot that was autonomous and performed a rescue with “Animal Allies”. The students were able to practice their design and route with the new robot purchased.

I can honestly say that if it were not for the grants that were offered to Max Bruner Jr. Middle



School 8th grade robots class, the students would still be struggling. They have a new found love, STEM. Many of the students have told me that they registered for Engineering in high school and they wanted to stay in robotics. This is great being that the students are our future. Some of the projects

that the students had to complete are follow a black line, rescue the gold blocks and bring them back home, fire rescues mission, maze challenge, follow me, travel around the room staying on the road, water the plants.