

Bee Amazed

Because of your contribution, I was able to work with our MakerSpace club of 30 students using Unmanned Aerial Vehicles (UAVs), LEGO WeDo 2.0 kits, Micro Blimps, and a weather station. The students thoroughly enjoyed learning to fly the UAVs. They quickly realized that it was a skill that they needed to practice if they wanted to master flying the UAVs. The Micro Blimp was a fun addition to their UAV skill practice. They realized that just slight movements using the iPad were needed in order to manipulate the blimp. Students were also able to observe the information from the weather station and make connections to the bees hive at our school. We learned that bees remain in the hive during cold and rainy weather. When the weather is warm, the bees bring pollen back into the hive. It was fascinating to watch. All 650 students in our school had access to the weather station. It was interesting to see our students learning to read the weather information and learning about the different weather instruments.



The other aspect of my grant was the LEGO WeDo 2.0 kits. The MakerSpace club enjoyed building the pollination model of a bee and a flower. The iPads controlled the bee and made it fly around the flower. Students were able to change the program to make the bee fly faster or slower. They were even able to program the bee to fly backwards.

In addition to my MakerSpace group, I was able to use the LEGO kits with our Career Day and approximately 300 students. Students were able to program several different robots. We discussed the role of STEM careers and their future career choices.

Thank you so much for your contribution to these valuable programs this year. Through this project, students are developing STEM skills, learning about our environments, and having fun.

