

# Q&A With



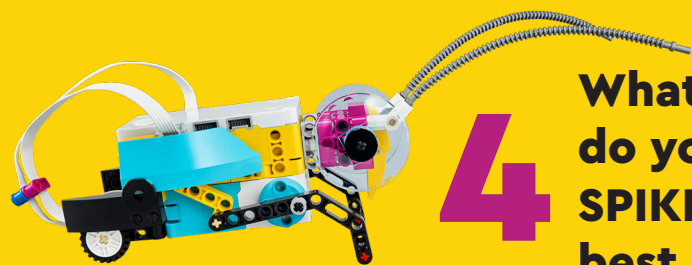
**Yuuki Sudo**  
Middle School Teacher  
Seishin Junior High School  
Sagamihara City

## 1 What was your first impression of LEGO® Education SPIKE™ Prime?

The parts are so colorful and using it is like playing with blocks – **I thought it was great that the kids were able to get so engaged. The SPIKE™ Prime application also has an easy-to-use design with programming tutorials, so it's easy to understand concepts related to the sensors and actuators.**

## 2 Did you plan any special lessons with SPIKE™ Prime?

At middle schools in Sagamihara City, students learn concrete problem-solving skills. In their third year, students discover and work on issues related to society and industry, but they tend to focus on the matters close to home. In this lesson, I believe the kids had a chance to think about the theme of agriculture, and I think this will be a good base for their classes next year.



## 4 What size group do you think SPIKE™ Prime is best suited for?

Two students per unit is ideal, but I think three would also be fine. In order for everyone to be able to create a program, I think it would be good to use tablets as well as laptops and, even if there's only one unit, have each student make their own program. If a program made on a tablet doesn't run well, you could also try connecting a cable to a laptop to share a program created by another student.

## 3 What did you think of the build process and use of the sensors?

**The assembly charts are easy to understand and the parts are big, so the kids were able to assemble the robots quickly.** If the parts were confusing, then it would eat up time and take away the students' ability to focus on the class's goals, so I like the simplicity.

## 5 How did you find trying SPIKE™ Prime out in a middle school classroom?

**I believe it can be used in many subjects.** When learning about how gears work, I think it would be fun for students to use SPIKE™ Prime with systems that transfer power through the rotation of motors. It has also inspired me to use it in science experiments and energy classes. It could probably be used in art classes too in terms of expressing ideas by programming the LED lights.

