

Sensor Wall

What is it:

Students identify examples of robotic sensors and probes found in their everyday life.

Purpose:

Relevance is an important factor in student retention. Having the students think about the world around them within the context of robotics will help them see how their daily life is improved by robotics and gets them thinking about how they can use robotics in the future.

Teacher Preparation:

Teacher can assign each student sensor or probe, or require each student to complete worksheet for a certain number of sensors. Have a few examples of quality work ready. While pictures make good examples of sensors or probes, real life objects have greater impact upon students.

In the Classroom:

I have done this with my 6th grade students each semester with physical objects. We hot glue/staple/attach in some way their physical examples of the sensors and probes to the wall that stays up all year. In the Mars Rover scenario students can examine the various robots sent to Mars and identify sensors or probes used by NASA. - Jennifer Flood, Middle School Robotics Teacher