

Tucker Salovaara

11/16/15

MTEC-2250

Code example

The gyroscope arduino will help me to determine the extent of the rotations of the x-, y-, and z-axes. These readings will help us determine the motion of the bat. The motion will be a swing.

The LCD screen will display the current state. For example, state 0 will be "walking up to the plate." State 1 will be "getting ready for the pitch." State 2 will be "watching the pitch." State 3 will be "swinging the bat." State 4 will be the output -- "strike!" or "home run!" If the output is a strike, the batter will have the option to try again. If the output is a home run, the batter will automatically start over until he ends the loop (10x max).

We will need an LED to blink when the batter is ready. We will need speakers as well to determine when the pitch is arriving at the plate. It will be random.