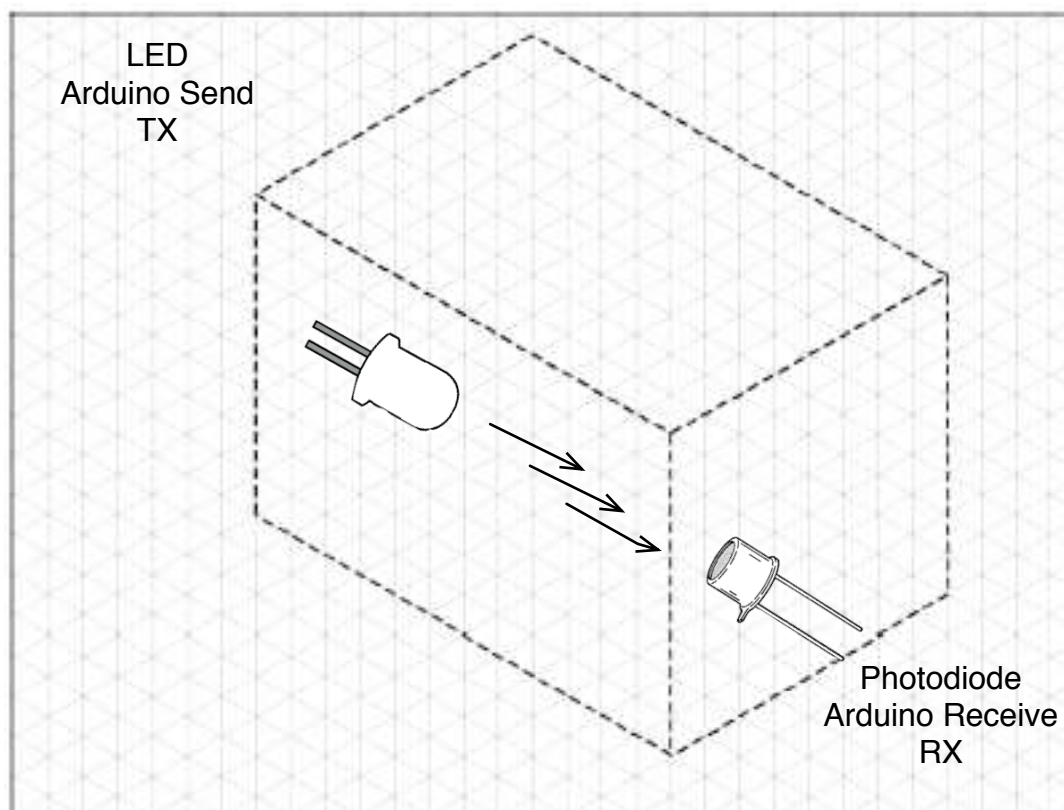


Universidade Fernando Pessoa

Hardware and Sensors

Morse

1. Create a project, which will enable you to reproduce a light Morse code emitter and receiver.
 - a. One Arduino will convert a message to light signals using a white led. The dot and slash will be represented turning on the led using different period of time.
 - b. The second Arduino will read these light variations using a photodiode. Then, it will identify the “dot and slash” reconstituting the Morse code sent by the first Arduino.
 - c. Print the dot and slash sequence to the Serial¹ in both Arduino.



2. Submit your code and designed circuit(s) using Fritzing² into the eLearning Hardware and Sensor dropbox.

¹ Serial.begin(9600); [...] Serial.println("string message");

² <http://fritzing.org/download>