

Criterion A: Planning

The Scenario

The client is the physics teacher at my school. This teacher wants to have an improved way of observing the characteristics of a swinging pendulum. Right now, the teacher uses a 'break the beam' sensor that determines the amount of time the pendulum takes to complete a cycle. The device used is not always very accurate, and gives a limited amount of information.

The Rationale for Solution

This product will measure the orbital period of a pendulum, log them and perform calculations for you based upon the data. //Again, consult with the client to get the *specific* wants and requirements for this device//. //Talk about why I chose to use an Arduino and why I am going to be using C/C++ (C/C++ is the language used by the Arduino:

<https://www.arduino.cc/en/Main/FAQ>)//

Success Criteria

- // Get these from the client and the interview with the client //

