Experimental Design Principles Rubric

As you review the student's work, make sure that the Scientific Inquiry Guide accomplishes the following.	Points possible	Points earned
The scientific question can be answered by using data gathered from the student's investigation.	5.0	
The hypothesis answers the investigative question and can be tested using the student's investigation.	5.0	
The evidence is identified and includes the reasoning the student used to formulate the hypothesis.	10.0	
The experimental set-up is adequately described, drawn, and labeled.	10.0	
The materials are listed and are relevant.	10.0	
The independent variable is explained in detail, with logical levels and increments identified.	10.0	
The dependent variable is correctly identified. The dependent variable should be quantitative and have a unit of measure associated with it.	10.0	

Rubric (continued)

The constants are correctly identified. Include how these can actually be controlled.	10.0	
In the procedure, it is explained how the independent variable will be tested to distinguish differences between the experimental and control groups.	10.0	
The procedure for the control group and the experimental group are specific enough so that other people who read it understand exactly how the investigation will be conducted.	10.0	
There is a description of the data collection method and a justification for the method.	10.0	
Total	**100.0**	