Investigation Design Diagram (IDD)

for Secondary Research Projects

Title: The effect of ____IV___ on ___DV___ (be very specific about your IV and DV)

Question: *How will_IV_affect_DV_*?

Hypothesis: If __(describe a change in the IV)__ then __(describe how you expect the DV to change)___ because __(provide one or more science concepts that you have learned about that help explain the connection between the change in the IV and DV) ___

I.V. (Independent Variable: name and units)		
Source of Data:		
Range of readings of the IV: Lowest value: (units:) Highest value:	(units)
Number of Data Points:	_ (Trials)	
Time span over which the data was collected (if appropriate):	From:	_ То:
Data analysis strategy:* (How will you analyze your data? What types of graphs will you make? Will you mean or averages, modes or medians?)		
D.V. (Dependent Variable: name and units)		
Source of Data for your DV:		

Constants:

Adapted from Students and Research: Practical Strategies for Science Classrooms and Competitions, 3rd Edition, by Cothron, Giese, & Rezba. (2000). Kendal/Hunt Publishing. Gottesman Center for Science Teaching and Learning.