AP Psychology – Keefe Tech – T. Cummings

Unit 1 – Research Methods & Statistics (Scientific Foundations of Psychology)

**1st A-Week Homework Assignment - “Designing an Experiment”**

Directions: Choose **one** of the following and design a basic “two group” experiment. Be sure to include reference to each of the following in your typed summary.

* The null hypothesis
* Operational Definitions
* Your sampling methodology (random selection)
* Identification of the IV and the DV
* Control for possible experimenter bias
* Control for possible confounding variables.
1. Does serving candy after a meal (but before delivering the bill) increase tips for the wait staff?
2. Does drinking a large glass of ice water reduce migraine headache symptoms?
3. Is ‘phonics’ (reading through recognizing the sounds in words) a superior teaching strategy to ‘the whole word’ approach (learning to recognize entire words through steady exposure)?
4. Do “S.A.T. Prep” courses improve student test performance?
5. Do high school baseball players hit better with aluminum bats than with wood bats?

**Format:** Summary of experiment

**Medium:** Typed & printed…..or neatly written in blue or black pen

**Due:** Tuesday, September 1st

**Grade: /60 Pts**