

# RESEARCH EXPERIMENTS

**Terminology & Tips**

# RESEARCH QUESTION

An answerable inquiry into a specific concern or issue. It is the initial step in a research project

---

# HYPOTHESIS

An idea or explanation that is tested through study and experimentation - a “guess” answer to the research question

---

# EXPERIMENTAL GROUP

The group of subjects who are exposed to the variable under study

---

# CONTROL GROUP

The group of subjects or conditions that is not exposed to any experimental treatment. The results are then compared to the experimental group determine the changes that may occur due to the experimental treatment.

---

# INDEPENDENT VARIABLE

The variable you have control over; what you manipulate. This manipulation causes the dependent variable to change.

---

# DEPENDENT VARIABLE

A dependent variable is what you measure in the experiment and what is affected during the experiment

---

# OPERATIONALIZING

The process of  
setting  
something up so  
that it can be  
measured

---