

Research Plan/Proposal-Step 1

For each subsection (a,b,c,d) list ideas, articles, notes, that you will eventually use to present previous research and your research plan/proposal

*NOTE: Some parts are from **RELATED** research while some parts of from **YOUR INTENDED** research*

Guidelines

Brainstorming ideas

I. Introduction & Background Information from **RELATED Research**

- a) Clearly explain the general then specific area of research. Include and explain key scientific terms (3 pts.)
- b) State why research in this area is important (2 pts.)
- c) Fully cite and discuss at least 3 previous scientific studies (3 pts.)

II. Problem Statement ("Gap") / Goals / Hypo. from **YOUR INTENDED Research**

- a) Clearly explain current lack of knowledge ("Gap") (1 pt.)
- b) Clearly make connection between past research and intended research ("Funnel Effect") (1 pt.)
- c) Clearly state goals of intended research (1 pt.)
- d) Clearly state and justify hypothesis (1 pt.)

**W. Significance/
Application /
Future Focus
of RELATED &
STUDENT'S INTENDED
Research**

a) Explain potential
impact of findings
from related and
intended research
(1 pt.)

b) What would be the
next step in this
research (2 pts.)

Additional ideas, key terms, related research, etc. to include...

III. Methodology/

Materials from

YOUR INTENDED

Research

- a) Suggest logical intended methodology based on previous related research & explain how key steps in intended methodology would address the goal (3 pts.)
- b) Explain all controls and variables (1 pt.)
- c) *If a survey will be used*, show sample questions and explain how they address the goal

IV. Results / Analysis / Discussion /

Conclusion from

RELATED Research

- a) Clearly show related research results and/or data in tables, charts or graphs & Display proper titles, labels, units, and captions (3 pts.)
- b) Include citations for all information (1 pt.)
- c) Clearly and fully explain the related results (2 pts.)