Research Plan Checklist

Content:

_____ 1. Descriptive Title

_____ 2. Explanation of problem/question you tend to investigate

_____ question is stated in a testable way

_____ rationale is explained – what is the value in knowing the answer to your question - Who cares?!

_____ Hypothesis explains what you expect to happen

AND why you expect that to happen (If/then format)

_____ 3. Methods and Procedures

_____ list of all materials/equipment including amounts, brands…

_____ all variables are identified

_____ independent

_____ dependent

_____ constants (controlled variables)

_____ numbered, step-by-step procedure

_____ number of trials is obvious

_____ safety precautions described and adequate

_____ steps for disposal of all materials/equipment

_____ use of metric measurements

_____ diagrams included

_____ data tables (blank for now but headings that indicate type of data you will collect)

_____ 4. Bibliography

_____ at least six sources and variety of sources

Process:

_____ 1. Writing Mechanics

_____ clear, focused writing (not wordy or chatty)

_____ spelling and grammar are correct

_____ complete – includes: problem, hypothesis, variables, materials list, procedure, data tables, bibliography

_____ headings are used to separate main parts of plan

_____ word processed, 12-point font (bigger font for headings)

_____ 2. Approval Forms

_____ Form 1 – checklist for adult sponsor (your teacher is adult sponsor)

_____ Form 1A – student checklist

_____ Form 1B – approval form

_____ others if needed (other ISEF forms, MSDS)

_____ 3. Proofreading

_____ signature of adult who read your plan and their comments / suggestions are written on actual plan

_____ 4. Expert in your field/mentor information

Name ________________________________

Phone number ________________________________