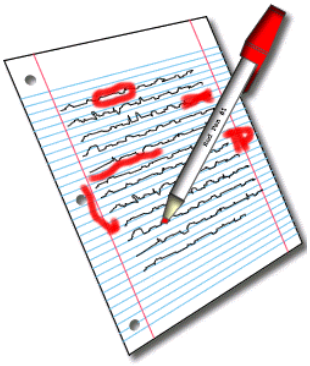
ROL: How to Make Your ROL Better Than It Is Right Now



When revising your ROL rough draft, it might be useful to look over the specific details of the rubric to see where you lost points.
Also look over the specific comments on the rubric and in the paper.

Note: Did you take notes BEFORE writing you paper? Do not try to take notes and write your paper at the SAME time. Ms. Villa uses old school note cards with the author on the back. She writes one point on each card. You can use any format you would like- looseleaf, a document with separate headings.

Here is a list of BASIC things to look for to get you started revising your ROL… it's normal not to know what to do next. Use this handout to help you get better!

Introduction-
-Starts with a broader focus and gets narrower.
-Identifies the context and scope of the problem or gives relevance.
-Uses specific facts or details to highlight a problem, need, or question.
-Identifies what will be investigated in your project as a solution for or relevant to the problem.
-Includes in-text citations for the references used.

Independent Variable: minimum 6-8 paragraphs
-Identified 4 (or more) scientific concepts for this variable.
-Explained the scientific terms and processes associated with each concept above.
-Included a labeled, cited diagram to aid in one or more explanations.
-Referenced or framed one or more of the concepts by connecting it to your project.
-Includes in-text citations for the references used.

Entity: minimum 3-4 paragraphs
-Identified and describes specific, interesting qualities of the subject.
-Relates the entity as it will be used for your project.
-Identifies why it is suitable for your project.
-Makes claims about the entity rather than just listing facts
-Includes in-text citations for the references used.

Dependent Variable: minimum 4-5 paragraphs
-Identifies and explains what responding variable will be measured.
-Cites other scientific research already done that can be connected to your project.
-Explains any complex equipment, formal process, or technical ideas that will be used to measure results.
-Explains WHY the dependent variable will change.
-(What do you expect, scientifically, that the IV will impact your DV- What is going on? Be "Sciency here")
E.g. The plant will grow larger depending on the wavelength of light it is exposed to. Light is used by plants during photosynthesis and specifically is used to activate chlorophyll during cellular respiration. It can therefore be expected ...

-Cites other students that have shown how the variable will or might change.
-In general you should have 5 references (scientific text or book) or studies (journal studies) here.

Hypothesis- 4-8 sentences in two labeled sections
-Is separated by a page break and titled hypothesis.
-Clearly identified an idea (see rubric)
-Clearly identified a prediction (IF/THEN)

After you add in the elements above, the next step would be to look over the rubric and specific comments.
Comments and specific areas for improvement:

The BEST and final stage a revising would be to **have a peer or adult review specific paragraphs** and to help you by looking for the following-
-Clear, identifiable topic sentence for each paragraph.
-Uses transitions between one paragraph and the next.
- Interprets some information rather than just listing details.
-Connects information in a logical and engaging format, leading the reader to the hypothesis.

Person, place, and time to get feedback on my paper: