

Name: \_\_\_\_\_ Period: \_\_\_\_\_

## **Agriscience Project Description, Report Outline, Timeline and Grading Rubric**

### **Project Description:**

You need to do a science project that is related to agriculture in some way! It can be anything related to animals, plants, food, fiber, mechanical systems, metal fabrication, etc. Be creative! It also needs to be useful to the agricultural world in some way. Think of a question that someone who works in that industry could benefit from having answered. You need to complete **6 steps** to get credit for this project:

#### **1.Question & Hypothesis: Due November 3, 2015**

The first thing you need to do is come up with a question (see the back of this paper for ideas! Try to use the ideas on the back to come up with your own question). Then, form a hypothesis. This part is DUE: November 3, 2015.

My project/question is: \_\_\_\_\_

My Hypothesis for my project is: \_\_\_\_\_

**Pictures: Make sure you are taking PICTURES of your project regularly! If the progress of your project happens daily, you should be taking pictures daily! At minimum, you should be taking pictures AT LEAST ONCE A WEEK!!! You should be in some of the pictures.**

#### **2.Title Page: Due November 3, 2015**

Next complete your title page. Your title page should include:

- A Short Title (Less than 50 characters)
- A short description (No more than 3 lines)
- Division area (select from the options on the back of this sheet)
- Your Name

#### **3.Literature Review: Due November 24, 2015**

Then you need to do some background research. You need to have AT LEAST 3 RELIABLE SOURCES. You can use Wikipedia to help you answer your own questions, but you CANNOT USE WIKIPEDIA AS A RELIABLE SOURCE. Here is a description of what your literature review should include:

##### Literature Review

[Literature Review should detail what information currently exists concerning the research project. Information listed should be literature used in the research. Material cited would include articles about similar studies, similar research methods, history of the research area and other items that support the current knowledge base for the topic and how the project might complement existing information.]

#### **4.Materials and Methods: Due November 24, 2015**

After you have your question, hypothesis and research completed, you'll need to compile a list of items and materials you will need to complete your project. Make sure you include prices for these items! You will also need to write how you will be completing this experiment. (Who, What, When, Where, Why and How).

## **5. Experiment: Starting date deadline November 25, 2015.**

BEGINNING EXPERIMENT PICTURES: DUE December 18, 2015. You need to continue to take pictures as you complete your project.

**Proposed completion date: December 18, 2015.** (You can keep going with your experiment after this if you need to for your research to be complete, but DON'T procrastinate getting it done!) Make sure you are following the methods that you described in your methods section! If you find you have to change something, make sure you make a note of that in your methods section of the report. You should not change the experiment in the middle of the experiment! Your data will be skewed if you do that.

## **6. Report: Due January 8, 2016**

Your report is going to be long! Luckily, because you have been following the timeline, you already have most of it done! Your report needs to be typed, have complete sentences and good grammar. Include the following IN THIS ORDER in your report. Make sure you read the descriptions of each item to make sure you have done everything you need to do to get full points! Submit electronically by 2:30 pm on Friday January 8. Your score will go on second term's grade!!!

1. **Project Title Page:** [Project title precisely describes the work with no more than 3 lines and 15 words maximum. All numbers, chemical elements and compounds should be spelled out. Articles of speech and prepositions (a, an, of, the) each count as a word.]
2. **Abstract:** [Abstract is brief and concisely describes the purpose, methods, results, and conclusion. Abstract does not include the title or cited references. It should be no longer than one page. Arrangement of information should make the purpose, procedure, and conclusion clear.]
3. **Introduction:** [Introduction should answer the question "Why was the work done?" It should clearly state the problem that justifies conducting the research and build a need for the importance of the research, the purpose of the research, findings of earlier work, and the general approach and objectives. Citations should be used in this section.]
4. **Literature Review:** [Literature Review should detail what information currently exists concerning the research project. Information listed should be materials used in the research. Material cited would include articles about similar studies, similar research methods, history of the research area and other items that support the current knowledge base for the topic and how the project might complement existing information.]
5. **Materials and Methods:** [The materials and methods section should enable others to reproduce the results by duplicating the study. It should be written in third person, encompass all of the materials required and state the hypothesis. It should include statistical procedure if employed.]
6. **Results:** [This section should be a written (paragraph form) summary of the results the project has produced. Trends and relationships are clearly addressed, but no conclusions should be made. This section should include data (tables, figures) that can stand alone and include headings, labels, and proper units of measure. A caption for a table is placed above the table and a caption for a figure is placed below a figure. Both are at least two point sizes smaller than the point size of the figure's text and are single spaced.]
7. **Discussion and Conclusions:** [This section should show that the conclusions were drawn from the results of the study and how the results relate to the hypothesis. It should contain a brief recap of the results and show how the results were a foundation for the study. Explanations should be clear if the results were not as expected. Sound reasoning is used to make conclusions that rely on both literature and results. Discussions should reference facts and figures from results section. Conclusion should be editorial in nature.]
8. **References:** [References should contain significant, published, and relevant sources. APA style recognized citation is used throughout the report. References are worth 5 points.]
9. **Acknowledgements:** [This section should include a list or paragraph acknowledging anyone who helped in any aspect of the project and how they helped.]

## Timeline:

Due Date/Deadline	Item Due
November 3, 2015	<ol style="list-style-type: none"><li>1. Question &amp; Hypothesis Write-up (from the front page of the packet) handed in</li><li>2. Title Page – Printed and handed in</li><li>3. As you begin your project, make sure you are taking pictures AT LEAST ONCE PER WEEK!!!!</li></ol>
November 24, 2015	<ol style="list-style-type: none"><li>1. Literature Review – Emailed to your ag teacher (teacher emails below)</li><li>2. Materials &amp; Methods Write-up – Emailed to your ag teacher (teacher emails below)</li></ol>
November 25, 2015	<ol style="list-style-type: none"><li>1. Experiment Starting Date Deadline</li><li>2. Pictures of your started experiment – emailed to your ag teacher</li></ol>
December 18, 2015	<ol style="list-style-type: none"><li>1. Recommended experiment completion date (you may continue if you need more data for your conclusion).</li><li>2. Email pictures of your project (should have been taken AT LEAST ONCE PER WEEK).</li></ol>
January 8, 2016	<ol style="list-style-type: none"><li>1. Final Report Due</li></ol>

## Grading Rubric:

Item	Points Possible	Points Received
Question & Hypothesis Write-up	10	
Title Page	10	
Weekly (minimum) Pictures of your project	10	
Literature Review	10	
Introduction	10	
Materials & Method Write-up	10	
Results Write-up	10	
Discussion & Conclusion Report	10	
References	5	
Acknowledgements	5	
Neatness & Grammar	20	
Total	110	