

Science/Engineering Fair Timeline Fall of 2014

Date of the Waverly Middle School, 8th Grade Science/Engineering Fair: Thurs., Dec. 4, 2014

Week I/II Sept. 29-October 3 , 2014

**Oct. 3,
Friday**

_____ 1. Choose and finalized **Problem** to investigate.
Completed Project Proposal Sheet.

_____ 2. Developed and finalized the **Specific Question**
you will be investigating on your topic.

**Oct. 8,
Wednesday**

_____ 1. Write rough draft of the **PURPOSE** of your
experiment.

_____ 2. Begin to develop leads for contacting to experts in
the field. Identify two people that have jobs related to your
topic. (**Companies, Universities, Businesses etc.**)

Name: _____ Position: _____

Name: _____ Position: _____

**Oct. 9,
Thursday**

_____ 1. Develop and write the rough draft of the
HYPOTHESIS.

_____2. Develop and write questions of what to ask experts.

_____3. **FINALIZE PURPOSE.**

_____4. **FINALIZE HYPOTHESIS.**

_____5. Finalize **QUESTIONS FOR EXPERTS.**
Internet search—“Ask an Expert” can be
Used as a means of contacting experts.

Week III: October 13—17, 2014

Backboard Order Forms Discussed In Class

**Oct. 14,
Tuesday**

_____1. Practice writing Experimental Procedures.

_____2. Hand out **required forms** to be completed for each project.

**Oct. 15,
Wednesday**

_____1. Write rough draft of the Experimental Procedure.
(Identification of all variables!!!)

Week IV: Oct. 20-24, 2014

**Oct. 20,
Monday**

_____1. Develop a system for recording the **Quantitative** experimental data. (Data Chart).

_____2. **DUE TODAY.** Contact 2 experts in the field.

Name: _____ Position: _____

Name: _____ Position: _____

_____3. Set up interview date and time with experts.

Date of interview: _____ Time: _____

Backboard Order Forms and Money Due!!!

**Oct. 21,
Tuesday**

- _____ 1. Complete **INTERVIEW QUESTIONS** for interview with experts.
- _____ 2. Develop a creative and **unique** title.
- _____ 3. Finalize your system for recording **Quantitative** experimental data. (**Data Chart**).

**Oct. 22,
Wednesday**

- _____ 1. **TARGET DATE TO BEGIN EXPERIMENTING !!!**
- _____ 2. Type the following:
 - _____ **Problem** _____ **Variables**
 - _____ **Purpose** _____ **Materials**
 - _____ **Hypothesis** _____ **Procedure**
 - _____ **Questions** _____ **Data Chart**
 - _____ **for Experts**

**Oct. 23,
Thursday**

- _____ 1. Continue typing information from Tuesday, Oct. 21th.
- _____ 2. Rough draft of Cover/Table of Contents.

**Oct. 24,
Friday**

- _____ 1. Catch up on any typing needs
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Week V: October 27- Oct 31, 2014
Begin writing Career Research Paper, Due Fri, Oct 31st

Conduct experiment all week. Begin recording Quantitative data in data chart.

Complete Interviews This Week.

- a. Internet correspondence
- b. Face-to-face interview
- c. Telephone interview

**Oct 27,
Monday**

- _____ 1. Introduction of **BACKBOARD DISPLAY**.
(Sketch of your display).
 - _____ 2. Construct **FRAMING** with colored construction paper. Frame the **problem, purpose, hypothesis, variables, materials, and procedure**.
 - _____ 3. Work on career paper.
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**Oct. 28,
Tuesday**

- _____ 1. Type **interview answers** if completed.
 - _____ 2. Transfer Quantitative Data to data chart.
 - _____ 3. Work on career paper.
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**Oct. 29,
Wednesday**

- _____ 1. Continue to conduct experiment.
 - _____ 2. Continue transferring Quantitative Data to data chart.
 - _____ 3. Work on career paper.
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**Oct 30,
Thursday**

- _____ 1. End all experimenting. **TARGET DATE TO FINALIZE EXPERIMENT: FRIDAY, 11/7/14**
- _____ 2. Complete Quantitative Data (DATA CHART).

_____3. Final draft of career paper.

Career research paper DUE!!!!!!!!!!!!!!!

**Oct 31,
Friday**

_____1. **Analyze data.** Decide on strategy to summarize data and answer major question.

_____2. Illustrate **first draft** of **Results** in **graph form.** Include all labels.

_____3. Write **first draft** of **Results** in **paragraph form.**

Week VI: November 3-7, 2014

**Nov. 3,
Monday**

_____1. Complete analyzing data.

_____2. Complete **final draft** of **Results** in **graph form.**

_____3. Complete **final draft** of **Results** in **paragraph form.**

**Nov. 4,
Tuesday**

_____1. **Type:** A. **Graph** of Results
B. Written paragraph of **Results**

**Nov. 6,
Thursday**

_____1. Revisit prior weeks of timeline and finish steps that are incomplete.

**Nov. 7,
Friday**

1st check: problem, purpose, hypothesis, all variables, materials, procedure, expert questions/answers and title.

WEEK VII: November 10-14, 2014

**Nov. 10,
Monday**

- _____ 1. Write **first draft** of the following:
 - _____ A. **Conclusion**
 - _____ B. **Acknowledgments**
 - _____ C. **Script** for presentation to judges.
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-

**Nov. 11,
Tuesday**

- _____ 1. **Type** the following:
 - _____ A. Final draft of **Conclusion** paragraph.
 - _____ B. **Acknowledgements.**
-
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**Nov. 12,
Wednesday**

- _____ 1. Complete all typing for **Backboard Display, Data chart, graph, results, conclusion, and Bibliography.** See handout sheet.
 - _____ 2. Catch up on any other typing needs.
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**Nov. 13,
Thursday**

- _____ 1. Complete all framing for **Backboard Display.**
 - _____ 2. Construct **LETTERING** and **SUBTITLES** for backboard.
 - _____ 3. Complete **BACKBOARD DISPLAY.**
 - _____ 4. Workday for finalizing project.
 - _____ 5. Write out **ORAL PRESENTATION**
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**Nov. 14,
Friday**

- _____ 1. **Continue any work**
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Week VIII: November 17-21, 2014

**Nov. 17,
Monday**

_____ 1. Finish writing Oral Presentation.

_____ 2. Finish any work not completed for project.

**2nd check: data, graph, results, conclusion,
bibliography, acknowledgements, research paper.**

Nov. 17-21,

Tue. - Fri

_____ 1. Finish any work not completed for project.

WEEK VIII: NOV. 24-25, 2014

Nov. 26-Dec. 1

SCIENCE FAIR PROJECTS DONE

NO SCHOOL Holiday Recess

Week X: Dec. 1—Dec. 3, 2014

**Dec. 2,
Tues.**

_____ 1. Practice **ORAL PRESENTATION**.

_____ 2. Organize Backboard Display and Materials.

**Dec 3, 2014
Wed.**

PROJECT COMPLETED !!!!!!!!

**WAVERLY MIDDLE SCHOOL
8TH GRADE
SCIENCE/ENGINEERING FAIR
THURSDAY, DECEMBER 4, 2014**