

Roll With the Punches: Depression Era Machines
Task Assignment Checklist
P. Weaver: SAMPLE

1. Mastery of six simple machines:

Inclined plane
Wedge
Lever
Screw
Pulley
Wheel/axle

2. Mastery of complex machine:

Built complex machine
Followed task card

3. Machine design:

Design matches machine
Used 4 of 6 simple machines

4. Experiment design:

Scientific method steps 1 – 4
Performed 5 tests on machine
Data table
Graph
Conclusions

5. Oral presentation:

Machine performed work
Group shared responsibility

Roll With the Punches: Depression Era Machines
Machine and Experiment Design
P. Weaver: SAMPLE

Design your Experiment to Test Your Machine

Group Members:

1. As a group agree on the problem you want to solve.
2. As a group agree on the hypothesis statement.
3. As a group, list the steps that you need to take to test your hypothesis.
Be specific; describe exactly what you will do at each step.
4. List materials needed.
5. How will you know that your machine has performed work?
6. Decide what data you need to collect during the experiment. Design a table to record the data. Choose a graph that will represent the data correctly.
7. Identify the variables and the controls in the experiment.
8. Present your plan to the Instructor for approval before beginning experiment.

Roll With The Punches: Depression Era Machines
Oral Presentation Rubric
P. Weaver: SAMPLE

Assess each group using the following criteria.

Score	Description
4	<p>OUTSTANDING</p> <p>The oral presentation was completed with almost flawless performance.</p> <p>More than adequate attention was given to effective delivery: (eye contact, enunciation, posture)</p> <p>Student displayed extensive knowledge of the topic as well as original, insightful perspectives.</p> <p>Presentation was well organized, and visual materials were used effectively.</p>
3	<p>VERY GOOD</p> <p>The oral presentation was completed with a very strong performance.</p> <p>Adequate attention was given to effective delivery.</p> <p>Student was knowledgeable about the topic.</p> <p>Presentation was well organized and visual materials were used effectively.</p>
2	<p>SATISFACTORY</p> <p>The task was completed with an adequate performance, although some areas needing improvement were observed.</p> <p>Some attention was given to effective delivery, but weaknesses were observed.</p> <p>The student's knowledge about the topic was adequate for the most part, and any inaccuracies or omissions did not seriously detract from the performance.</p> <p>The presentation was adequately organized, and visual materials were used adequately.</p>
1	<p>NEEDS WORK</p> <p>The task was completed with a performance that contained several errors, which adversely affected quality.</p> <p>The work reflected a lack of attention to effective delivery.</p> <p>The student demonstrated little familiarity with the topic.</p> <p>The presentation was disorganized, and there was inappropriate or insufficient use of visual materials.</p>