1. **Project Title**

*Provide a short, descriptive title for your project.*

Designing and Building a Dresser for My Bedroom

1. **Project Description**

*Summarize what you will do for your project and describe your final product, service, or process.*

I will be moving out soon and living on my own. I would love to have a piece of furniture that I made to take with me to my new apartment. I would also like to learn how to use a variety of power tools and build more items for the future with them, whether it may help me with my own furnishings or help me in getting a job.

1. **Learning Stretch**

*Describe the likely results or other outcomes of your project. For example, the personal learning you might experience, potential benefits of your project for others, etc.*

I have never drafted, designed, or built anything before, so everything I do in this project will be a new learning experience, except the finishing touches of painting or varnishing my dresser. I have helped my mom refinish several older pieces of furniture.

1. **Reasons for Selecting Topic**

*Explain the reasons you selected your project topic. Please review Eastlake’s policies and guidelines relating to selecting a project topic.*

I am considering entering the Building and Trades program at Mitchell Tech, so this project will give me a taste of working with wood and with tools to help me decide if that is what I want to do.

1. **Knowledge of Topic**

*Describe what you knew about the topic before you selected it.*

I actually know very little about it right now. As I have previously mentioned, I have very little experience with designing and building anything or using power tools, but I have worked with stripping and refinishing furniture.

1. **Preliminary Research Results**

*Summarize the results of your research so far. Give a cost estimate and name at least two potential mentors or expert reviewers. Describe their expertise (the reason they would make good mentors) and provide a phone number or email address.*

After looking at free blueprints online and adapting and combining a couple of them to come up with a design that I like, I think I can complete this project within a $400-$500 budget. I want to use walnut boards and a clear coat of varnish. I also want to add a mirror to the dresser. This is subject to change after receiving the advice of my mentor on what type of wood to use.

Potential Mentors: Dale Taylor - Mr. Taylor has been the building a trades teacher at Kimball High School for many years. I am taking a class from him right now, and he said that he would be willing to mentor me and let me use the tools at the Kimball School shop. His phone number is 778-9999 and his email address is Dale.Taylor@k12.sd.us.

Ed Peters - Ed Peters is a self-employed carpenter who has been in the business of building and remodeling homes for 25 years. He has a shop on Main Street in White Lake and his phone number is 249-9999.

1. **Main Project Tasks**

*Describe the main tasks your project will require you to do.*

I will have to design a blueprint for my dresser, purchase the required materials, measure and cut the wood, assemble the dresser, sand it and put on several coats of finish.

1. **Potential Risks & Challenges**

*Describe the risks and challenges you believe you might encounter while doing your project. For example, not being able to find the right community expert to help you, money constraints, physical*

*dangers, etc.*

I am paying for this project out of my own pocket, so I am a little worried that I won’t be able to stay within my budget. There is a small chance that I could be hurt by some of the power tools that I will be using, but I will be using safety equipment to keep that risk as small as possible. I am also worried that I won’t be able to find sufficient time to meet with my mentor and complete my project because I will have to work after school hours and on weekends.

1. **Research Paper Topic:** The History of Victorian Furniture
2. **Description of Fieldwork:** For my fieldwork, I will be working in a shop and building a dresser.
3. **Connection Between Fieldwork and Research Topic:** My research paper will be on furniture and I will be building a piece of furniture.

**Approval:**

**Specialist Mentor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Senior Project Coordinator: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**