

# Material Processing Reading

## Title of Article: Reading #2: Fastening Systems and Hand Tools

### Step 1—Read/Review Article

Read the article. It may be beneficial to review the article with a small group. In this group you can discuss key concepts and any confusing information. Use some paper or the back of this page to organize key ideas for your individual reflection. The written reflection needs to be your own work, but you can discuss ideas with your classmates.

Some main points to focus on are:

The different types of nails and screws, different fasteners for different materials, glues, use and care of hand tools, driving wood screws, different types of saws and their application, chisels and their care.

### Step 2—Individual Written Reflection (typed)

Write a one page reflection of the article. You are welcome to summarize ideas from the article, but do not copy directly from the text. Please reflect on the topics below, how the information applies to your class work, how it relates to your experiences and knowledge, and how you plan to incorporate the information throughout the class.

Please include the following topics in your reflection:

- Describe different types of nails and screws, and the different applications of each
- Describe how nails and screws provide the “holding power” to hold pieces together, how do nails and screws differ? How did we use screws on the clock?
- How is glue used? What type of glue did we use on the clock?
- Describe the care and use of screwdrivers
- Figure 10-22 illustrates an important concept, please summarize this concept and describe how this concept applies to your clock
- Describe some different types of saws and their uses
- Describe the use and care of a wood chisel
- VOCABULARY from the article must be included in your reflection

### Rubric

	10	7	4	0
Topics	<ul style="list-style-type: none"> <li>• All topics are covered in detail</li> </ul>	<ul style="list-style-type: none"> <li>• Most topics are covered</li> </ul>	<ul style="list-style-type: none"> <li>• Some topics are covered</li> </ul>	<ul style="list-style-type: none"> <li>• No topics are covered</li> </ul>
Organization	<ul style="list-style-type: none"> <li>• Complete and proper organization of components</li> <li>• Logical progression of ideas</li> <li>• Appropriate transitions between contents</li> </ul>	<ul style="list-style-type: none"> <li>• Vague organization of introduction, body, and conclusion</li> <li>• May require re-reading to follow ideas</li> <li>• Some use of transitions</li> </ul>	<ul style="list-style-type: none"> <li>• Poor attempts of organization</li> <li>• Connections between contents are confusing or missing</li> <li>• No transitions</li> </ul>	<ul style="list-style-type: none"> <li>• No organization</li> <li>• Difficult to follow</li> <li>• Poor continuity</li> </ul>
Style and grammar	<ul style="list-style-type: none"> <li>• Control of writing grammar enhances readability</li> <li>• Masterful sentence structure</li> <li>• No spelling errors, capitalization, punctuation, and usage</li> <li>• Excellent word choice</li> </ul>	<ul style="list-style-type: none"> <li>• Few errors appropriate grammar</li> <li>• Correct sentence structure</li> <li>• Few errors in spelling, capitalization, punctuation, and usage</li> <li>• Appropriate word choice</li> </ul>	<ul style="list-style-type: none"> <li>• Some errors in grammar</li> <li>• Simplistic sentence structure</li> <li>• Some errors in spelling, capitalization, punctuation, and usage</li> <li>• Poor word choice</li> </ul>	<ul style="list-style-type: none"> <li>• Many errors in grammar</li> <li>• Incorrect sentence structure</li> <li>• Many errors in spelling, capitalization, punctuation, and usage</li> <li>• Faulty or incorrect word choice</li> </ul>
Content	<ul style="list-style-type: none"> <li>• Superior understanding of the topics</li> <li>• Ideas fully developed</li> <li>• Substantial examples or supporting ideas</li> <li>• Accurate information</li> </ul>	<ul style="list-style-type: none"> <li>• Good understanding</li> <li>• Ideas mostly developed</li> <li>• Good development of examples or supporting ideas</li> <li>• Good information</li> </ul>	<ul style="list-style-type: none"> <li>• Limited understanding</li> <li>• Ideas sufficiently developed</li> <li>• Poor development of examples or supporting ideas</li> <li>• Limited information</li> </ul>	<ul style="list-style-type: none"> <li>• Absence of understanding</li> <li>• Absence of ideas development</li> <li>• No development of examples or ideas</li> <li>• Absence of information</li> </ul>

