

Engineering Notebook

Engineering Notebook

- What Is an Engineering Notebook?
- Why Keep an Engineering Notebook?
- Who Keeps an Engineering Notebook?
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- Engineering Notebook Sections
- Best Practices

What Is an Engineering Notebook?

An engineering notebook is a book in which an engineer will formally document, in chronological order, all of his/her work that is associated with a specific design project.

 Clear and detailed description of your design process



Why Keep an Engineering Notebook?

An engineer's notebook is recognized as a *legal* document that is used in patent activities to...

- Prove the origin of an idea that led to a solution
- Prove diligence in turning the idea into a solution
- Prove when an idea became a working solution ("reduced to practice").



Who Keeps an Engineering Notebook?

All Types of Engineers that work on R & D

- Legal documentation of work
- Continuity in projects

College engineering students

- Develop time management skills
- Improve research, documentation and communication skills
- Basis for professional presentation of work



Contents

- Discovering the problem
- Research
- Sketches with labels and descriptions
- Brainstorming
- Calculations
- Your daily thoughts and ideas
- Pictures

- Expert input (names, positions, contact info, details of conversations)
- Work session and meeting summaries
- Test procedures, results, and conclusions
- Digital technical drawings
- Design modifications

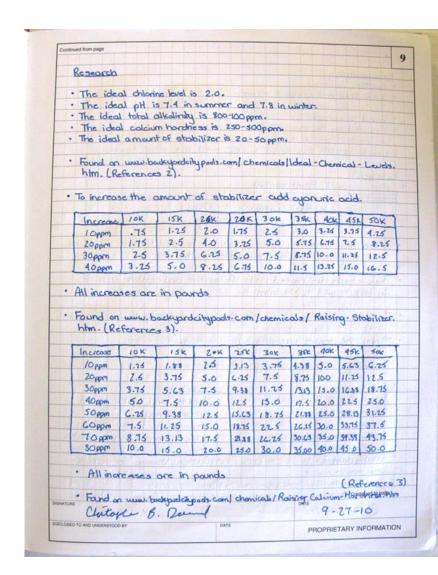
Everything you do/think related to a specific design project

Engineering Notebook Sections

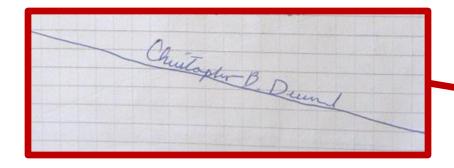
- Title Page
- Table of Contents
- General Chronological Entries
- References
- Business/Expert Contacts

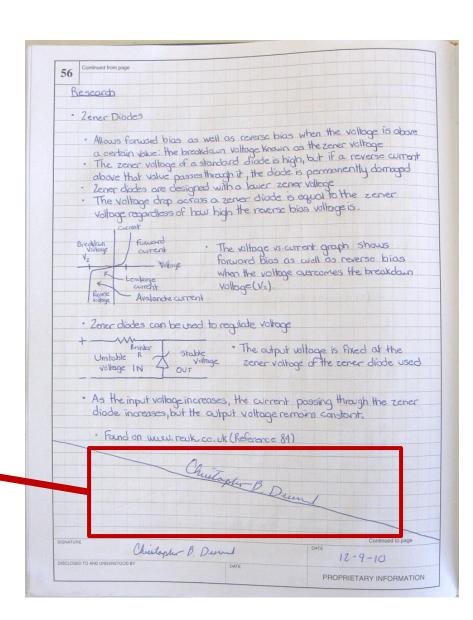
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- Quad ruled paper
- Bound
- All work is in pen
- All pages are
 - Numbered
 - Dated
 - Signed by the designer
 - Signed by a witness
 - Include a statement of the proprietary nature of notebook

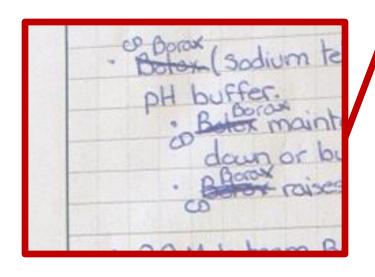


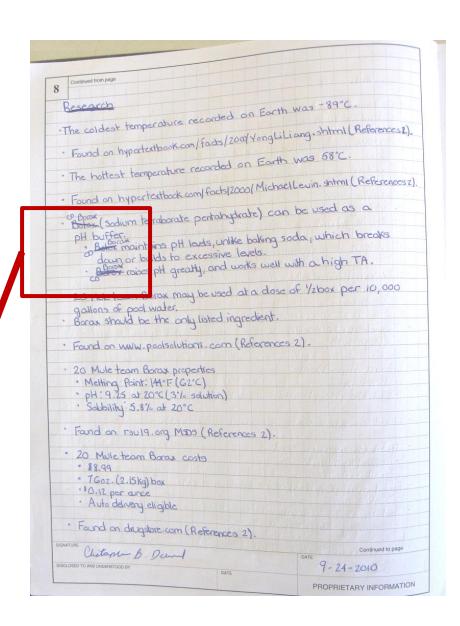
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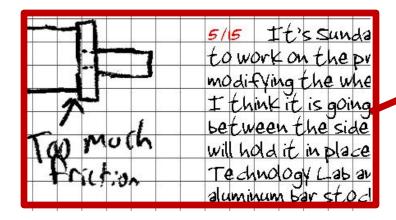


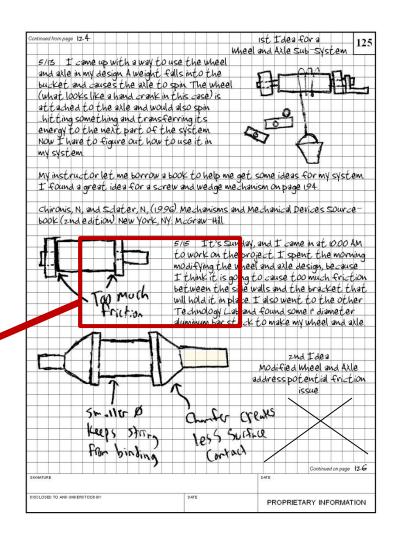
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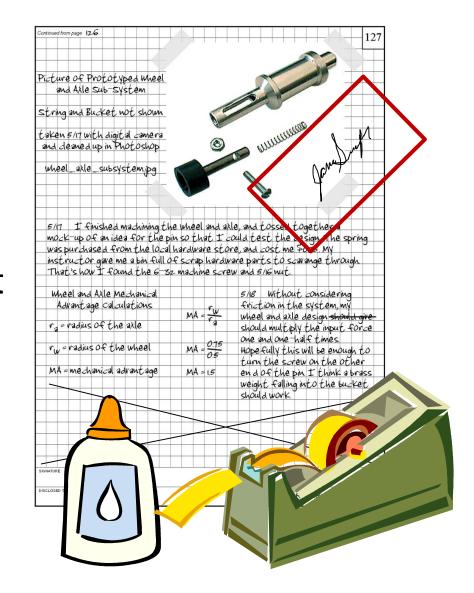


Date each entry

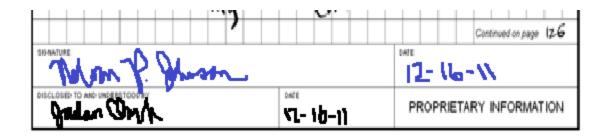




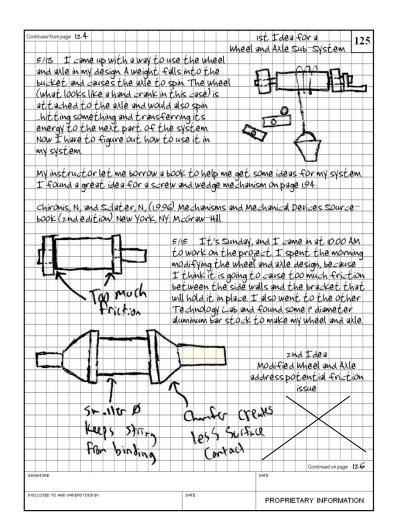
- Cut and paste print-outs of digital files that you create or use as reference.
- Sign your name so that it extends across both the notebook page and the inserted document.



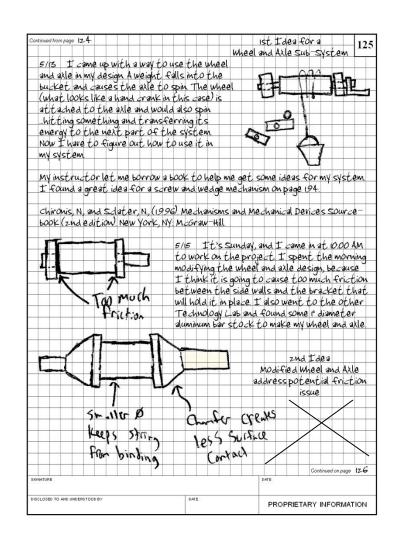
 Sign and date each page before the next page is begun.



- Sketches
 - Label all parts of the sketch
 - Describe each sketch



- Progress Entries
 - Reflect on tasks accomplished, successes, and failures
 - Reflect on future needs and tasks to be completed



Be NEAT,
be ACCURATE,
be LEGIBLE,
and be THOROUGH.

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