

Tech 2 Foundations of Technology
Poster Session Assignment

Select a chapter from either textbook (*Design and Problem Solving in Technology* or *Technology*) and develop a poster session about it.

- Your session must cover the entire chapter and include a prototype.
- No chapters may be repeated

The chapters in *Design and Problem Solving in Technology* (Hutchinson and Karsnitz, 1994) include:

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| 1. The Technological Age | 7. Designing Mechanical Systems |
| 2. The Design and Problem-Solving Process | 8. Designing Electronic Systems |
| 3. Problems and Opportunities | 9. Designing Pneumatic Systems |
| 4. Documenting Your Design Work | 10. Generating and Developing Ideas |
| 5. Investigation and Research | 11. Materials and Prototyping |
| 6. Designing Structural Systems | 12. Testing and Evaluating |
| | 13. Production and Beyond |

The chapters in *Technology* (Wright, 2004) include:

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| 1. Technology: A Dynamic Human System | 19. Using Technology to Communicate |
| 2. Technology as a System | 20. Printed Graphic Communication |
| 3. Types of Technological Systems | 21. Photographic Communication |
| 4. Inputs to Technological Systems | 22. Telecommunication |
| 5. Technological Processes | 23. Computer and Internet Communication |
| 6. Outputs and Feedback and Control | 24. Using Technology to Transport |
| 7. Production Tools and Their Safe Use | 25. Transportation Vehicles |
| 8. Measurement Systems and Tools and Their Role in Technology | 26. Operating Transportation Systems |
| 9. The Problem-Solving and Design Process | 27. Energy: The Foundation of Technology |
| 10. Developing Design Solutions | 28. Energy Conservation |
| 11. Evaluating Design Solutions | 29. Agricultural and Related Biotechnologies |
| 12. Communicating Design Solutions | 30. Food-Processing Technologies |
| 13. Using Technology to Produce Artifacts | 31. Medical and Health Technologies |
| 14. The Types of Material Resources and How They are Obtained | 32. Organizing a Technological Enterprise |
| 15. Processing Resources | 33. Operating Technological Enterprises |
| 16. Manufacturing Products | 34. Using and Assessing Technology |
| 17. Constructing Structures | 35. Technology: A Societal View |
| 18. Using and Servicing Products and Structures | 36. Technology: A Personal View |

References:

Colorado State University. (2007). *Writing guides: Poster sessions*. Retrieved March 26, 2007

from <http://writing.colostate.edu/guides/speaking/poster>.

Hutchinson, J. & Karsnitz, J.R. (1994). *Design and problem solving in technology*. Albany, NY:

Delmar Publishers, Inc.

Wright, R. T. (2004). *Technology*. Tiney Park, IL: Goodheart-Willcox Company, Inc.