

Tech 1 (Foundations of Tech Pt I)  
Assignments and Lecture Information

Project 1 – *Influences of Technology*  
***DUE February 15, 2007***

(Using the book *Technology*, define each of the terms and concepts below and post them to your websites):

**Terms**

- *Portfolio*
- *Optimization and Trade off*
- *Technology*
- *Invention*
- *Innovation*
- *Human factors engineering*
- *Systems*
- *Resources*
- *Requirements*
- *Processes*
- *Controls*
- *Rate of technological diffusion*

**Concepts**

- *Political influences* – how do politics effect innovation and invention?
- *Economical influences* – how does the world-market impact invention and innovation?
- *Environmental influences* – how does the environment impact invention and innovation?
- *Historical influences* – how is history used to create or modify technological artifacts?
- *Futuristic influences* – how will today's toys change the future?
- *Cultural influences* – how do cultural influences effect invention and innovation?

**Teaming**

- *Forming* (this is the stage you are currently in)
  - Getting to know each other and getting comfortable with each other
  - Learn your own roles and the roles of your team members
  - Define the task
  - Discuss what needs to be done to complete the task
- *Team charter* (your team charter should reflect the forming stage).
  - Identify your team's characteristics (what are each of your strengths and weaknesses? E.g. organization, drawing, time management, word processing, etc).
  - Complete the charter and post it to the Google Groups URL

**Assignments:**

Select a technological artifact such as the Internet or a GPS handheld unit and explain the roles that politics and the economy had/have in their development. (Keep the scholarly writing percentages in mind).

**DQ Topics Number 2 (due February 9, 2007)**

Describe the primary tools that characterize each of the following eras:

- The Information Age
- The Industrial Revolution
- The Renaissance
- The Middle Ages
- The Iron Age