

# TECHNOLOGY EDUCATION

## LAB MODULES... "HANDS-ON" LEARNING...

**FIRST...** Be sure that all of your work has been completed...

- Your Worklog has been filled out and is current.
- Your Worklog notes have been read, understood, and initialed.
- All assigned work has been completed, such as CROSSWORDS, KEYTERMS, COMPANY COMPETITIONS, WORKSHEETS, NOTEBOOK-Name & info on papers, pages in-order, POLICIES READ & SIGNED, and so on.

**Name:**  
**READ & INITIAL EACH SECTION!**

**SECOND...** Be sure that all of your company assignments have been completed properly...

- Your Competition Records are accurate, required DUE ASSIGNMENTS are completed to date.
- Your Company Grade evaluation sheets are complete.
- Your Texts, Pencils, and Table materials are organized and properly displayed- notebooks are neat, open and in order, assignments completed, etc.

WHEN SENDING OR RECEIVING E-MAIL...  
Regarding grades, quizzes, assignments, and so on...  
Please be sure to include TO: & FROM: in Subject Headings.

**THIRD...** As you enter your work area.

- Be sure that you know how the area was before you found it, then leave it in BETTER condition.
- Take inventory to be sure that all items are accounted for and that the list stays accurate daily.
- Treat your area with respect and report any issues that you find.
- BE RESPONSIBLE! Your work area will allow you to work and function using technical devices, treat them with care. NO SIMULATIONS ARE TO BE USED UNTIL ALL REQUIRED WORK HAS BEEN COMPLETED!!!

**FOURTH...** As you work in your assigned work area...

- DO NOT allow anyone else into the area while you are occupying it. If you should do so, and something should happen or get broken, your company is responsible for all incurred charges.

**MODULE ASSIGNMENTS...** (MAIN FILE, CONTRACT, ORDER FORM, & JEOPARDY)

- You are to make sure that the following tasks are completed while at your lab modules...
- Complete the half-sheet design of your company name, logo, and motto. TO BE POSTED AT YOUR TABLE/AREA. Include names and digital pictures of those in your group, as well as your Table#, Class, & Period.
- Complete ALL chapters and/or assignments as assigned.
- BE RESPONSIBLE... if something happens in your area that you are unsure of, ask for help and be patient while you wait for your teacher as he attends to issues throughout the technology lab. USE LIGHTS TO REQUEST HELP.

**LAB PRIVILEGES...**

- You are allowed to use your work modules and equipment as long as you and your company remain productive and are learning from the activities available. "IF YOU Abuse it THEN YOU WILL lose it."
- If a time comes that you are not learning, then you will be re-assigned to a different area, or will drop back to primarily learning using the course textbook, "Technology Education... Learning by Design".
- Simulations are for learning and enhancing your experience. These programs ARE NOT be used until ALL required assignments have been completed. Simulations should enhance your learning, and will be considered as projects.
- Oral and written quizzes will be used to verify knowledge of your chosen subject areas.
- At the end of class, plan for a reasonable cleanup which is to be used to save files and close any programs that you have opened. Your area should be left CLEANER than when you entered it. All notebooks should be put away, and work areas cleaned up properly.
- You are not to leave the lab until your areas have been checked AND you are dismissed. Wait behind your chair.

**SAVING YOUR WORK...**

- You are responsible to save your work... Do so as follows:
  - Save to your local computer designated drive space.
  - Also Save to your assigned USB drive, and backup your work OFTEN. (Your grade will include your backup work.)
  - Save file names as: 10-8-1.1-1-CompanyName.DDD (Where DDD is the document extension. .DOC for Word, .PPT for PowerPoint, .XLS for Excel, .JPG for pictures, etc.)

WHEN PRINTING, ONLY PRINT FINAL DRAFTS OF WORK TO BE TURNED IN- WHEN REQUESTED.  
Preview Rough Drafts on your Computer Monitor Only.

"10" is the Year...

"8-1.1-1" is the Grade, Class Section, then Table#...  
Examples... "6b-3.1-2", "7-2.1-3", and so on.

Document Types are automatically set by the program... Don't Change these.

# LAB MODULE CHAPTER SECTION ASSIGNMENTS

*Textbook: "Technology Education... Learning by Design"*

**DIRECTIONS:** Check off areas as you complete them.

**Name:** \_\_\_\_\_  
**READ & INITIAL EACH SECTION!**

- Graphic Design/Publications/Drafting/Sketching      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_
- Biotechnology/Agriculture      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_
- Electricity/Electronics/Engineering      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_
- Manufacturing/Construction/Energy/Power Systems      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_
- Transportation/Aerospace/Aviation      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_
- Lab Safety/TSA-Technology Student Association      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_
- Video Editing/Audio Production      **LOGIN:** \_\_\_\_\_ **PASSWORD:** \_\_\_\_\_

**DIRECTIONS:** As you complete a section related to your work module, check off the section, then take the associated quizzes or Quizlabs, then move on to the next topic of your choice. Please be sure to accurately document your work.

- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 1 The Nature of Technology xviii
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 1 The Nature of Technology... (Page 2)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 2 Technology and Society... (Page 22)
  
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 2 Design for a Technological World 48
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 3 Design and Problem Solving... (Page 50)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 4 Communicating Design Solutions... (Page 76)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 5 Resources for Technology... (Page 100)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 6 Technological Systems... (Page 124)
  
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 3 Materials, Manufacturing, and Construction 150
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 7 Processing Materials... (Page 152)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 8 Manufacturing... (Page 192)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 9 Construction... (Page 224)
  
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 4 Communication and Information Technology 262
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 10 Communication Systems... (Page 264)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 11 Electronics and the Computer... (Page 286)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 12 Information Technology... (Page 322)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 13 Graphic Communication... (Page 362)
  
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 5 Energy, Power, and Transportation 396
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 14 Energy and Power... (Page 398)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 15 Transportation... (Page 430)
  
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 6 Biological and Chemical Technology 460
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 16 Biotechnical Systems... (Page 462)
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Chapter 17 Chemical Technology... (Page 490)
  
- Date Completed: \_\_\_/\_\_\_/\_\_\_ Unit 7 The Future of Technology in Society 518

## SPECIAL NOTES:

**Production/Robotics** is an additional work area that can be included within all other areas.

**ALWAYS...** Save your Tech Ed work to a folder on your desktop, as well as to the "Claroline" system.

- 10-8-1.1-T#-CompanyName
- 10-8-1.2-T#-CompanyName
- 10-7-2.1-T#-CompanyName
- 10-7-2.2-T#-CompanyName
- 10-6a-3.1-T#-CompanyName
- 10-6a-3.2-T#-CompanyName
- 10-6b-3.1-T#-CompanyName
- 10-6b-3.2-T#-CompanyName

**Company  
Logo:**

**Your Company Name:** \_\_\_\_\_

**STOCKQUEST COMPANY LOGIN:** \_\_\_\_\_ **Password:** edtech