



Principles of Technology

Mrs. Chumney 2008-2009



Dear Students and Parents,
*Welcome to the Delaware Area Career Center and to your principles of technology course! Enclosed you will find important information related to achieving success in this course. Please take the time to review this information and sign the form on the last page. Signed forms are due back to me by **August 29**. Please do not hesitate to contact me regarding the course in general or in reference to student progress. I can be reached at chumneyk@delawareareacc.org or by phone at (740) 363-1993 x2272.*

Thank you for your time!

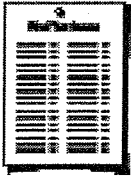
Kristi Chumney

*Kristi Chumney
Science Instructor*

Since “technology” refers to applied science, this course will integrate topics from several areas. The predominant application will be through physics, but will also include relevance to chemistry, mathematics, and even English. Over the course of the year, I intend to cover the following: (Text is Foundations of Physics by Hsu.)

- The Nature of Science (Ch. 1)
- The Mathematics and Measurement involved in Science (Ch. 2)
- Motion and Force (Ch. 3, 4, 5, 6, 7, 8)
- Energy and Momentum (Ch. 10, 11, 12)
- Electricity and Magnetism (Ch. 19, 20, 21, 22, 23, 24)
- Waves and Sound (Ch. 13, 14, 15, as time allows)

In addition to the textbook, additional exploration will come from handouts, worksheets, videos, and laboratory demonstrations/investigations.



General Policies:

You are to bring with you to class **EVERYDAY:**

- **Notebook, folder, or binder**
 - **Pencil**
 - **Agenda**
 - **Any homework assignments that may be due**
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- Have the items listed above ready and be in your assigned seat when the bell rings.
 - Do not cheat, plagiarize or partake in any type of unfair or dishonest activity. I will not hesitate in failing you for these things.
 - Lights, fans, windows, etc. are to be operated by the teacher **ONLY!!**
 - Prep rooms / storage cabinets are off limits to students.
 - You are also responsible for any damage to your work area and you are expected to inspect your work area daily. Report any damage to me immediately.
 - If you do not understand something in class, **ASK!** If you are unclear on a topic, someone else in the class is as well, I guarantee it! Unless you ask, I assume you understand and will hold you responsible for knowing the material.
 - I rarely offer extra credit activities; do not ask me for “extra” work. If you complete all homework assignments, participate in class and adequately prepare for assessments, there will be no need for anything “extra”. If you are unable to keep up with our daily pace, I certainly will not provide you the opportunity to raise your grade by doing more.
 - Assignments are due when they are due! Questions regarding any assignment must be asked prior to any deadline. With advance notice, we can arrange a time to meet that is convenient for both of us as needed. If you don’t understand something, get help a.s.a.p. Don’t wait! There is no excuse for not seeking out help when it is needed.
 - I do not believe in assigning “busywork”. The assignments you complete are important for the mastery of the major concepts that will be covered on tests. If you complete the review work and practice problems and understand your notes, you **WILL** be successful in this class.
 - Grades are earned on a point basis for tests, quizzes, projects, labs and graded assignments. You will be given cumulative exams at the end of each quarter, and a comprehensive final exam at the end of the year.
 - If you were absent the day before, it is your responsibility to check the folder in the student file cabinet or to see me in order to get what you missed. I will not find you or remind you that an assignment is due.

- Assignments will be announced well in advance and no new information will be covered the day before an assessment. Hence, missing the day before an assessment does not provide an excuse for not taking it with the class.
- Missing assignments and assessments is academically irresponsible. When you miss an assessment, you must schedule to take the make-up on your own time. The make-up version will not be the same as the original.
- You will be graded on the scale set forth by the DACC (refer to the agenda) specifically weighted for this course as follows:

<u>Graded Category</u>	<u>Examples</u>	<u>% of Total Grade</u>
Employability points*	Being on time, following class expectations, etc.	20%
Assignments	In-class and homework	30%
Labwork	Teacher-led demos, experiments, projects, reports	25%
Assessments	Quizzes and tests	25%

*Employability points:

You have 10 free points daily. You lose them when you do not follow class procedures or meet basic behavioral expectations.

Deductions from the 10 employability points will be made accordingly:

- 2 Late to class
- 2 Unprepared – no pencil, no agenda, no homework
- 2 Off-task / sleeping
- 2 Inappropriate behavior or language
- 2 Violation of dress code

- 5 Tardy with no pass
- 10 Absent

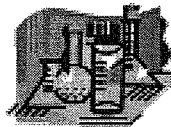


Classroom Rules:

In order to maintain a positive learning environment for all members of our class, we must all abide by the following rules:

1. Follow the guidelines outlines in this syllabus.
2. Be RESPECTFUL and RESPONSIBLE to yourself and to others at ALL times.
3. At the end of class, remain in your seats and wait for the teacher to dismiss the class.

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Laboratory Safety Procedures

It is for your own safety and the safety of the members of your class that you follow all lab and classroom rules when performing experiments in class. Some of the substances we will be using are harmful, and therefore must be handled carefully. Any equipment used during lab must also be handled carefully so that accurate readings from the instruments can be obtained and so equipment does not get broken.

1. Absolutely no food, candy, drink or gum in class, especially during lab procedures.
2. Do not throw anything in the lab.
3. When safety gear needs to be worn, i.e. goggles, there are no exceptions.
4. Never taste or touch chemicals unless instructed to do so.
5. Be cautious of those around you, sudden movements may result in mishaps.
6. Report any accident, injury, spills, breakage or incorrect procedure to Ms. Chumney immediately.
7. If you come into contact with any harmful chemical substances during an investigation, wash the affected area with plenty of water and inform the teacher right away.
8. Follow all directions and observe all demonstrations of how to handle lab equipment and chemicals; dispose of all waste and various chemicals only as instructed. Never throw broken glass in the trash can, Ms. Chumney will show you where to dispose of it.
9. Keep your work areas neat, clean and free of trash.
10. Clean all equipment and return it to where you found it at the end of lab and do an inspection of your space at the conclusion of the class.
11. When using computers during lab procedures, only visit websites indicated on the lab procedure itself.
12. Wash hands with soap and water when you have finished your lab work with chemicals.
13. While data may be collected in groups, analysis of this data must be done individually. Do not collaborate with the group when completing lab questions or forming conclusions regarding the lab exercises. This is a form of plagiarism and will result in failure of the assignment.
14. **DO NOT PERFORM UNAUTHORIZED EXPERIMENTS.**
15. Agree to always be thinking about safety.