

TACO TUESDAY



Start Time	Start Time	Activity	End Time	End Time
8:00	11:05	Agenda Agenda Quiz 4	8:45	11:45
8:45	11:45	Lecture	9:05	12:05
9:05	12:05	Lab 1-5, 1-6 Test Wednesday	10:10	1:10
10:15	1:10	Clean up	10:20	1:15
1:20	1:15	Come to middle tables for end of class activity	10:20	1:35

Class excused





▶ Christmas is in **87**
days

▶ Tory & Peter's birthday
is in **176** days

Very important



Tuesday Trivia Question

- ▶ Serenity is the movie finale to what single season cult TV show that is still popular at cons?



- ▶ Lab fees - Lab fees are PAST due! Students will not be allowed in shop/lab areas until fees have been paid. If the fee creates a financial hardship, assistance may be available. See Lisa, the Bookkeeper in Building 1 for questions, financial assistance, or to make a payment. Cash or checks only.



Parking

- ▶ Parking - Students driving to and from Sno-Isle TECH are required to obtain a parking permit from the office. There is no charge for permits. Parking permits must be approved by parents and sending schools before submitting them to Sno-Isle TECH. Student parking is located in front of Building 1.



ASB Elections

- Elections will be held Wednesday in each of the pro-grams. Please give respectful attention to the videos and the ballot process as these students are volunteering their time to make Sno-Isle TECH a great school with and for you! Results will be announced Friday October 2, 2015.



Scholarship Leads

Scholarship Leads and Volunteer Opportunities are posted on the wall outside the Study Center! Remember, these two things go hand in hand. Scholarship sponsors, as well as colleges and employers want to know how you are giving back to the community!



Family Night!!!!

Tuesday, Oct. 13, 5:00-7:00PM

- ▶ Show your family the shop, lab, and/or classroom in your program and introduce them to your instructor! Don't forget to eat a delicious cookie from the Culinary Arts program!



ASB application forms were due to Theresa last Friday, September 25th. If you are still interested in running for office and have not yet turned in your form, please see Theresa in the Study Center first thing Monday, Sep-tember 28th! The deadline has been extended to September 28th due to traffic cancelling some schools ability to get to Sno-Isle and our own Staff In-service meeting .



Students

Wednesday, Sept. 30
Wednesday, Sept. 30
Thursday, Oct. 1
Friday, Oct. 2

NO SCHOOL: Darrington
Lakewood arrives at 11:30AM
PM and WE Field Trip to EvCC/AMTEC in the AM & PM
NO SCHOOL: Mukilteo District



This Week

- ▶ Monday
 - ▶ Labs
 - ▶ Lecture
- ▶ Tuesday
 - ▶ 2nd Year Test
 - ▶ Lecture
 - ▶ Labs
- ▶ Wednesday
 - ▶ 2nd Year New Unit
 - ▶ Lecture
 - ▶ Labs
 - ▶ Review
- ▶ Thursday
 - ▶ Test
 - ▶ Finish Unit
- ▶ Friday
 - ▶ New Unit
 - ▶ Meeting



Learning Targets—1st Year

- ▶ Understand the basics of electricity.
- ▶ Understand the difference between a conductor and a resistor.
- ▶ Identify what makes an item a good or poor conductor.
- ▶ Define volts.
- ▶ Understand the relationship between current and voltage.
- ▶ Understand the purpose of a switch in a circuit.
- ▶ Understand how to measure current.



Learning Targets—1st Year

- ▶ Understand the relationship between resistance and amps.
- ▶ Describe what creates a magnetic field.
- ▶ Build a circuit.
- ▶ Build a circuit with a switch.
- ▶ Draw a circuit with all parts appropriately labeled, including the flow of electricity.
- ▶ Demonstrate the measuring of voltage and amperage with a multimeter
- ▶ Identify the different resistors on a circuit board.



Learning Targets—1st Year

- ▶ Identify what the colored bands mean on a resistor.
- ▶ Using the Comptia troubleshooting method, rule out and identify power problems.
- ▶ Document things I tried that did not work.



Learning Targets—1st Year

- ▶ Document things I tried that did work.
- ▶ Return computer to working order.
- ▶ Identify dangers in testing a power supply.
- ▶ Understand how to short out pins 15 and 16 to turn on Power Supply



Learning Targets—1st Year

- ▶ Understand how to test the power supply connector with a multimeter
- ▶ Understand how to test power supplies using a power supply tester
- ▶ Identify the purpose of each of the power supply connector
- ▶ Test resistance on a motherboard



Learning Targets—1st Year

- ▶ Test resistance of the motherboard speaker
- ▶ Understand the purpose of a capacitor.
- ▶ Recognize the impact different capacitors have on control of flow of energy
- ▶ Recognize the impact different resistors have on control of flow of energy



Reading

▶ How Power Supplies Work



Question One

▶ Switcher
technology can
change _____
to _____



Question Two

- ▶ If you buy a Gateway computer with a regular ATX motherboard and power supply, and your PSU dies, do you have to buy a Gateway PSU?



Question Three

▶ Why or why not? Justify your answer.



Question Four

- ▶ Which part of the computer is the most failure prone?



Question Five

▶ Why is it the most failure prone?



Question Six

- ▶ If your fan in your PSU stops working you should:
 - ▶ Replace the fan
 - ▶ Replace the entire PSU



Question Seven

- ▶ What are three symptoms of PSU failure?



Question Eight

- ▶ Do these symptoms “always” happen?



Question Nine

- ▶ Because of that, what should be one of the first things you test when you have intermittent computer problems?



Question Ten

- ▶ The best way to test a PSU is to try it with a different motherboard, right?
- ▶ How come?

