


**THINK** left and **THINK** right and

**THINK** low and **THINK** high.

Oh, the things you can **THINK**

up if only you **TRY!** - Dr. Seuss

| Start Time | Start Time | Activity   | End Time  | End Time |
|------------|------------|--|---|----------|
| 8:00       | 11:05      | Agenda<br>South Bridge Quiz                        | 8:45  | 11:45    |
| 8:45       | 11:45      | Lecture:   | 9:05  | 12:05    |
| 9:05       | 12:05      | Labs   | 10:10   | 1:10     |
| 10:15      | 1:10       | Clean up   | 10:20   | 1:15     |
| 1:20       | 1:15       | Come to middle tables for end<br>of class activity | 10:20   | 1:35     |
|            |            | <b>Class excused</b>                               |  |          |

The background is a vibrant red with a subtle pattern of small white dots. On the left side, there are decorative elements including white and gold swirls, snowflakes, and three large, ornate white Christmas ornaments with intricate scrollwork patterns. The text is positioned on the right side of the image.

SUPER DUPER IMPORTANT

- **71** days until Christmas
- **160** days until Tory's (and Peter's) birthdays

## • Monday

- Labs
- New Groups
- Module Start Page Due
- Online video: Motherboard form factors
- Quiz: Motherboard form factors

## • Tuesday

- Lecture
- Labs
- ASB Meeting
- Quiz

## • Wednesday

- Lecture
- Labs
- Activity
- Quiz

# THIS WEEK

## • Thursday

- Labs
- Lecture
- Quiz
- Homework: Online video

## • Friday

- Labs
- Work on Project
- Test: Tuesday or Wednesday

# LEARNING TARGETS THIS UNIT

- When I get to the end of this lesson, I can do these things:
- Understands a EULA.
- Understand the difference between a custom install and update when installing Windows 7.
- Understand how to install an OS from DVD media.
- Understand what a virtual machine, virtual hard drive, and host OS is, and how they all work together.



# LEARNING TARGETS THIS UNIT

- Recognize the differences between X86 and X64 operating systems and know when to use them.
- Understand how to boot from a CD/DVD and how to access the special boot menu or set a BIOS to boot from DVD.
- Understand how to partition a hard drive from the Installation interface.
- Understand how to join a workstation to a domain.
- Understand what the BIOS is.
- Access the BIOS
- Set password on the BIOS



# LEARNING TARGETS THIS UNIT

- Locate the DMI on a motherboard
- Understand how to reset the BIOS.
- Identify ports and jacks by sight.
- Identify cables by sight.
- Understand that each pin has a specific purpose to carry data, power, synchronization, or ground.
- Identify the processor in your computer.



# LEARNING TARGETS THIS UNIT

- Understand how to identify your motherboard.
- Understand how to identify processors that will work with a given motherboard.
- Understand the different parts of a motherboard.
- Identify the parts of your motherboard.
- Identify where the jumper blocks are on your motherboard.
- Understand the purpose of the jumper block.





READING

- PC

Motherboards

## QUESTION ONE

- What is the purpose of the Southbridge?

## QUESTION TWO

- The southbridge is also known as the

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## QUESTION THREE

- The southbridge communicates with what devices on the motherboard?

## QUESTION FOUR

- Is the southbridge as picky about northbridges as the northbridge is as picky as CPUs it will work with?

## QUESTION FIVE

- What things does the PCI bus support?



## QUESTION SIX

- What is a  
BUS?

## QUESTION SEVEN

- What does the SPI bus support?

## QUESTION EIGHT

- What is a DMA controller?

## QUESTION NINE

- What does the interrupt controller do?

## QUESTION TEN

- APM and ACPI refers to what?

# SNACK BAR

- There will be lots of great food for your enjoyment at the Snack Bar, which opens Tuesday, October 13<sup>th</sup>. AM Session: 8:45AM-9:15AM
- PM Session: 11:45AM-12:15PM  
Be sure to bring your program's basket
- with you for service. We hope to see you there!

# THIS WEEK AT SNO ISLE

- Monday Oct 12
  - ASB Executive Officer Meeting 8:30 and 11:30 in Study Center
  - No School Skykomish
- Tuesday Oct 13
  - ASB Meeting 8:30, 11:30 in Study Center
- Wednesday Oct 14
  - Lakewood students arrive late 11:10
  - No School Darrington
- Thursday Oct 15
  - No School Sultan
- Friday Oct 16
  - No School Sultan