

Lesson Plan

Chapter 10 Routing and Addressing

Headline Good God Almighty! It's subnets!

In Advance Collect a series of Class A, Class B, and Class C subnetting examples

Review

- 10.6.1 Classical IP addressing
- 10.6.2 Subnetwork
- 10.6.3 Purpose for subnetting
- 10.6.4 Subnet mask
- 10.6.5 Boolean operations: AND, OR, and NOT
- 10.6.6 Performing the AND function

Materials

Subnetting Exercise Handout
Scratch Paper and Pencil

Preparation for Learning

Target Indicators

10.6.1, 10.6.2, 10.6.3, 10.6.4, 10.6.5, 10.6.6

Vocabulary

Subnetting
ANDing
subnet mask

Focus Questions

What does subnetting do for networks?

Delivery Of Instruction

Lecture

I will present a lecture on calculating subnet address using the handout.

Key Graphics

Web based presentation of Subnetting Handout.

Online

CCNA Sem 1 Chapter 10

Lab/Activity

The students will then calculate subnet solutions using a variety of network addresses and network classes.

Assessment

Students must successfully complete the subnetting exercises.

Reflection

Each student will describe the use and purpose of subnetting in the engineering journal.

Homework

Review Chapter 10 in the CCSN Sem. 1 Curriculum.

Resources

Web Sites

<http://www.ralphb.net/IPSubnet/>

Alternate Lesson Plan Ideas**Books**