

PC Hardware and Networking - IT & Me

Lesson Plan for Computer Assembly

Topic: Installing a CD ROM drive on the same data cable as a hard drive

Time: 60 minutes

Objectives: (1) install a CD ROM drive in a PC using the same cable as the hard drive
(2) configure the CD ROM and install the driver
(3) test the CD ROM drive

Activities: (1) make sure the PC has hard drive installed that is configured as the ***master*** and that it contains an operating system
(2) select a tested CD ROM and set the jumper for the ***slave*** configuration
(3) connect the CD ROM drive to the same data cable as the first hard drive
(4) connect the power cable to the CD ROM drive
(5) boot up the computer with the Windows 9.x setup disk inserted and test to make sure you can access the CD ROM drive by inserting a data disk and accessing it
(7) install the CD ROM drive and secure cover on the PC

Equipment/Supplies: (1) one PC computer with hard drive and OS installed
(2) a CD ROM drive that is tested and operable
(3) Windows 9.x setup disk with CD ROM support
(4) Phillips head screwdriver

School to Career Connection: this activity involves a skill related to PC repair/assembly

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Lesson Plan for Computer Assembly – IT & Me

Topic: Installing a CD ROM drive as secondary master

Time: 60 minutes

Objectives: (1) install a CD ROM drive in a PC using a different cable than the hard drive
(2) configure the CD ROM and install the driver
(3) test the CD ROM drive

Activities: (1) make sure the PC has hard drive installed that is configured as the ***master*** and that it contains an operating system
(2) select a tested CD ROM and set the jumper for the ***master*** configuration
(3) install a second data cable by connecting it to the second IDE slot on the mainboard
(4) connect the data cable and a power cable to the CD ROM drive
(5) boot up the computer with the Windows 9.x setup disk inserted and test to make sure you can access the CD ROM drive by inserting a data disk and accessing it
(7) install the CD ROM drive and secure cover on the PC

Equipment/Supplies: (1) one PC computer with hard drive and OS installed
(2) a CD ROM drive that is tested and operable
(3) Windows 9.x setup disk with CD ROM support
(4) a second IDE data cable
(4) Phillips head screwdriver

School to Career Connection: this activity involves a skill related to PC repair/assembly