

## **Suggested Facility and Equipment**

The following is a suggested list of facility requirements and equipment to run a section for Networking Fundamentals, with an enrollment of 16 students.

### Facility –

- Adequate floor space
- Worktables (a 30” x 72” folding table will work – two students per station)
- Stools or moveable chairs
- Power supply (a single outlet will work with a power strip or surge suppressor with five plugs – this will cover a single station)

### Equipment –

- Windows 95 or 98 (one copy per machine or site license)
- 16 personal computers with monitors – 486 33 mghz, 8 mb RAM (Win95) 16 mb (Win98)
- Cables (2 straight through and 1 crossover per group)
- Phillips head screwdriver (one per group)
- Crimping tool (used for stripping wire and applying connectors)

### Optional Equipment (not absolutely needed but will help) –

- Basic electronic/computer repair toolkit - includes nut drivers, ¼” drive (used for screw driver tips that include slotted, Phillips head, star and square drive), tweezers, wire cutter/strippers.
- Storage containers (used to store wiring, connectors, diskettes, tools – a large plastic bin will work well – one per group)
- Cable tester (2 per class)
- Hub (two for each station)
- Cable (UTP – cat 5, a spool of 1000 ft. can be bought for about \$50)
- Cable connectors (RJ45)
- DSL internet connector (to connect to the internet – if needed)