

Name: _____

Date: _____

Lesson 1: Introduction to Fiber Optics

The student was able to:

- _____ Gain knowledge about fiber optics and its uses.
- _____ Demonstrate fiber stripping and cleaving.
- _____ Practice connector termination techniques.
- _____ Measure and test terminated fibers using a power meter.

Station 2 | Lesson 2: Fiber Splicing

The student was able to:

- _____ Practice fusion splicing techniques.
- _____ Learn about mechanical splicing methods.
- _____ Measure and test spliced fibers using a power meter.
- _____ Troubleshoot and resolve common fiber optic splicing issues.

Station 3 | Lesson 3: RJ45 Termination

The student was able to:

- _____ Terminate T568 B termination on the cable and test it to ensure termination is correct.
- _____ Practice connector termination techniques.

Station 4 | Lesson 4: Fiber Testing and Troubleshooting

The student was able to:

- _____ Learn about common fiber optic testing methods
- _____ Practice using a visual fault locator and optical time-domain reflectometer (OTDR).
- _____ Troubleshoot and resolve common fiber optic issues.

Station 5 | Lesson 5: Fiber Optic Network Design and Installation

The student was able to:

- _____ Learn about fiber optic network design principles.
- _____ Practice fusion splicing techniques in the context of network design and installation.
- _____ Learn installation techniques for outside plant and inside plant fiber optic cabling.
- _____ Learn about safety and regulatory compliance requirements for fiber optic installation.

Station 6 | Lesson 6: Fiber Optic Color Coding

The student was able to:

- _____ Match the colors of the cable samples to the corresponding color codes on the chart.

Lesson 7 | Customer Service and Critical Thinking for Cable and Fiber Optics Installers & Critical Thinking and Best Practice for Cable and Fiber Optics Installers

The student was able to:

- _____ Explain the importance of customer service in the cable and fiber optics industry
- _____ Use various techniques used to provide excellent customer service-based scenarios.

Lesson 8 | Putting It All Together

The student was able to:

- _____ Successfully terminate and test a fiber optic cable, demonstrating their proficiency in fiber optic installation.
- _____ Apply the skills learned in previous lessons, such as fiber stripping and cleaving, connector selection and termination, and fiber testing using a power meter and OTDR.

- _____ Accurately measure the power and loss of the signal to verify the quality of the connection and use the OTDR to detect any faults or breaks in the line.
- _____ Effectively communicate with a simulated customer, demonstrating their understanding of customer service skills and their ability to problem-solve and provide clear and helpful solutions.
- _____ Document the test results accurately, providing a clear and organized record of the installation process and test measurements.