

Agenda

Introduction

- Course Preview Video
- Welcome message from GPONAcademy
- Quick Survey: Tell us about you

Lesson 1: The Basics

- An Overview of Fiber to Home Networks (FTTH)
- Bandwidth: What is it and How is it Used?
- Knowledge Quiz
- GPON Basic Concepts
- Upstream and Downstream Bandwidth
- T-CONT Types
- T-CONT Types Quick Quiz

Lesson 2: Speed Tests: How Bandwidth is Allocated to Services

- Bandwidth Video Intro
- Bandwidth Speed Test
- Speed Test Quiz
- Bandwidth for Voice over IP (VoIP)
- VoIP Bandwidth Quiz
- Bandwidth for Streaming Services: Netflix, HBO, Amazon Prime
- Streaming Services Quiz
- Bandwidth for IPTV
- IPTV Quiz
- Bandwidth for Video on Demand (VoD)
- Video on Demand Quiz
- Bandwidth for YouTube or Vimeo
- Video Sharing Quiz
- Bandwidth for Online Gaming
- Online Gaming Quiz
- Additional Material: Battle for Bandwidth Article

Conclusions & Summary

- Closing video
- Next steps
- Final exam
- Student Survey

Enjoy the class and please share with us any feedback to help improve our course.