

REVIEW LESSON

MTA Course: 10753 Windows Operating System Fundamentals

Lesson name Windows Operating System Fundamentals 2.1-2.2

Topic: Identify Windows editions and upgrade paths (One 50-minute class period)

File name: 10753_WindowsOS_RL_2.1-2.2

Lesson Objectives:

2.1: Identify Windows operating system editions. *This objective may include but is not limited to:* identifying system requirements, using PC Upgrade Advisor.

2.2: Identify upgrade paths. *This objective may include but is not limited to:* identifying upgrade paths from Windows XP, Windows Vista, and other operating systems; identifying application compatibility.

Preparation Details

Prerequisite student experiences and knowledge:

This MTA Certification Exam Review lesson is written for students who have learned about Windows operating system fundamentals. Students who do not have the prerequisite knowledge and experiences cited in the objective will find additional learning opportunities using resources such as those listed in the “Resources” section at the end of this review lesson.

Instructor preparation activities:

- Make copies available of the Student Activity document 10753_WindowsOS_SA_2.1-2.2
- The instructor should have access to an existing system running Windows 7 Professional or a virtual machine with Windows 7 Professional installed for demonstration purposes.

Resources, software, and additional files needed for this lesson:

- 10753_WindowsOS_RL_2.1-2.2
- 10753_WindowsOS_SA_2.1-2.2
- 10753_WindowsOS_PPT_2.1-2.2

Teaching Guide

Essential Vocabulary

upgrade—to change to a newer, usually more powerful or sophisticated version of software.

Windows 7 Upgrade Advisor—a utility that scans a PC for potential issues with your hardware, devices, and installed programs, and recommends what to do before you upgrade to Windows 7.

Windows Easy Transfer—a utility that helps transfer files, email, pictures, and settings from one computer to another.

Lesson Sequence

Activating prior knowledge/lesson staging (5 minutes):

1. Which Windows 7 edition does not include Windows Media Center? (Starter edition)
2. Does Windows 7 Home Premium edition have the ability to connect to a business network or domain? (No. Home Premium edition does not include the domain join feature, which allows the computer to work on a business network.)
3. What tool can be used to investigate your current computer to identify issues that may arise if you upgrade to Windows 7? (Windows 7 Upgrade Advisor)

Lesson activity (40 minutes):

1. Teacher instruction (20 minutes; see the “Suggested best practices” section below regarding this presentation).
2. Use the included Microsoft PowerPoint presentation to identify Windows editions and upgrade paths.
3. Guided practice (20 minutes):
 - a. Direct students to complete 10753_WindowsOS_SA_2.1-2.2.
 - b. Answers will vary; no key is provided.

Assessment/lesson reflection (5 minutes):

1. In the same notes that they created for the “Activating prior knowledge/lesson staging” section at the beginning of the class, direct students to check their initial answers and make any changes if necessary.
2. Instruct students to write and submit any questions they have or any topics about which they would like more assistance.

3. After class, look through the student responses and follow up with any student requiring additional help.

Resources:

- **Microsoft: Windows 7 Compare Editions**
<http://www.microsoft.com/windows/windows-7/compare/default.aspx>
- **Microsoft: Windows 7 System Requirements**
<http://www.microsoft.com/windows/windows-7/get/system-requirements.aspx>
- **Microsoft: Windows 7 Edition feature comparison**
<http://windows.microsoft.com/en-US/windows7/products/compare>
- **Microsoft: Windows 7 Easy Transfer**
<http://windows.microsoft.com/en-US/windows7/products/features/windows-easy-transfer>
- **Microsoft: Free Download Windows 7 Upgrade Advisor**
<http://www.microsoft.com/windows/windows-7/get/upgrade-advisor.aspx>
- **Microsoft: Upgrading from Windows Vista to Windows 7**
<http://windows.microsoft.com/en-us/windows7/help/upgrading-from-windows-vista-to-windows-7>
- **Microsoft: Upgrading from Windows XP to Windows 7**
<http://windows.microsoft.com/en-US/windows7/help/upgrading-from-windows-xp-to-windows-7>

Suggested best practices:

- During the time allocation for this lesson, it is not possible for the students to perform a test upgrade. However, the instructor may begin the upgrade process at the beginning of this lesson and possibly carry the upgrade through the next lesson using a virtual machine and saving the state of the system. This is also a good opportunity to discuss volume licensing (*<https://www.microsoft.com/licensing/servicecenter/>*) and upgrade costs and benefits. It may be less expensive to purchase the new operating system instead of upgrading, due to the amount of time that may be involved.