

Technical Requirements

Assessing Your Technology Environment



NWEA WORKS TO ENSURE that you have a successful testing experience. The following technical requirements for MAP will serve as a guide as you assess your technology and plan for test implementation. Your technology will need to support three major MAP components: 1) Network Test Environment (NTE) server, 2) Test Administration Application (TAA), and 3) the TestTaker workstation.

Network Test Environment (NTE) Server

The NTE server stores the student and test database information. The minimum system requirements for the NTE server are:

Minimum NTE Server Requirements ¹		
CPU	Pentium II (266 MHz) Mac G4	1. These requirements assume the NTE server is dedicated to MAP while testing is in progress. 2. 128MB per lab or class of 30 TestTaker client workstations. 3. Audio files are shipped separately and are not part of the test download package. 4. Operating systems should be server-class operating systems. Using desktop systems in a server role can dramatically reduce performance. 5. Earlier AppleShare versions do not support enough open shares for MAP system usability.
RAM	128MB ²	
Available Disk Space	250MB (850MB for Spanish Voice Translations ³)	
Operating System ⁴	Windows NT Server 4.0, SP4; Novell 4.0; Mac OSX Server; Windows 2000 Server; Windows 2000 Advanced Server; Windows 2003 Server	
Network	Windows NT; Novell 4.0; Mac using AFP Mac G3 (With AppleShare 6.3 ⁵)	

The NTE server's CPU, RAM, and available disk space all contribute to the overall test-system performance.

Test Administration Application (TAA) Workstation

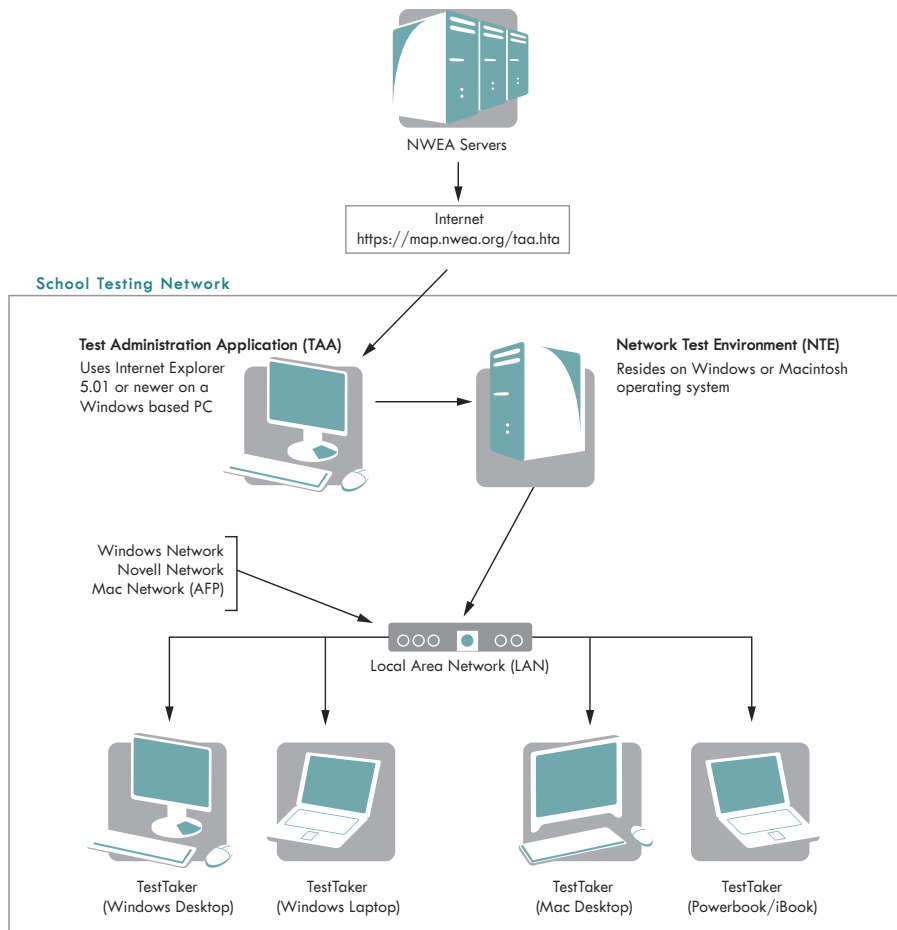
The TAA workstation performs the downloading and uploading of data to the NTE server for use by the TestTaker client workstations. The TAA workstation must have Internet access and must be able to access the NTE server.

Minimum TAA Requirements	
CPU	Pentium II (200 MHz)
RAM	64MB
Available Disk Space	250MB
Operating System	Windows 95 OSR2; Windows 98; Windows NT 4, SP4; Windows 2000; Windows XP; Windows 2003 Server
Network	Windows NT; Novell 4.0; Mac using AFP
Connectivity	The Internet connection must allow the passing of Active-X controls, Active Server Pages (ASP), and secure http pages (https://)
Monitor Resolution	800 x 600 SVGA
Browser	Microsoft Internet Explorer 5.01 or higher
Permissions	The user logged on must have full rights to the NTE

TestTaker Client Workstation

Students use the TestTaker Client Workstation to take MAP tests. The TestTaker workstation must have network access to the NTE server.

Minimum TestTaker Requirements	
CPU	Pentium (100MHz); Mac (PowerPC based only)
RAM	32MB
Operating System	Windows 95 OSR2; Windows 98; Windows NT 4; Windows 2000; Windows XP; Mac OS 9.1 or newer
Network	Windows NT; Novell 4.0; Mac using AFP
Monitor Resolution	800 x 600 SVGA, 256 color resolution
Other	Mac systems must have Courier and Symbol fonts installed
Sound Card	Required for Spanish voice translation Mathematics tests
Headphones	Required for Spanish voice translation Mathematics tests



Additional System Information

The NTE server, TAA workstation, and TestTaker client workstations may be installed on other configurations. NWEA has not tested all possible configurations for workstations with MAP software. If you are planning to use an un-tested configuration, NWEA strongly recommends you spend time evaluating if the MAP system will reliably operate on that configuration.

Notes:

The TAA and NTE can reside on the same machine. If you use a wireless LAN, please consult your hardware documentation for capacity questions. NWEA does not support wireless WAN connections.