Multi-State Advanced Manufacturing Consortium

US DOL SPONSORED TAACCCT GRANT: TC23767

PRIMARY DEVELOPER: Reggie Fluker – Henry Ford College

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Digital Literacy I: Fundamentals
Unit 6 Computer Maintenance and Security
LAB 3 Malware Protection (Instructor)

Explanation

In this lab, students will demonstrate their knowledge of security settings, and ability to protect their computer from malicious software using an anti-virus program. The key performance for this lab is to configure, update, and utilize Windows Defender to detect and remove malware.

Prompts

1. Besides Windows Defender, what anti-virus programs do you use?

2. Do you think that free anti-virus programs are less effective than paid-for programs? Explain why.

3. When should you manually run a virus scan?

4. How often should you schedule a quick scan? Full scan?

Assessment Rubric

CRITERIA	FAIL 0	POOR 1	FAIR 2	GOOD 3	Score
Check Security Settings	Unaware to launch the Security and Maintenance app to check settings	Knows to use the Security and Maintenance app but unable to launch it	Launches the Security and Maintenance app, but unable to locate security settings	Accesses settings and identifies the active anti-virus and spyware programs	
Windows Defender Settings	Unable or unaware of how to access settings for Defender	Accesses Defender's settings but unable to make configurations	Configures on/off settings but unable to exclude JPEG files from scan	Configures on/off settings and excludes JPEG files from virus scan	
Windows Defender Virus Scan	Unable to find and launch Windows Defender	Able to launch Defender and perform a full scan	Performs a full scan and updates virus definitions	Performs a full scan, updates definitions, and views items	

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