IT Fundamentals Pro: Chapter 3.6 Hardware Troubleshooting

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Grade	**11/12**
Unit of Study	**Information Technology Fundamentals**
Length of Unit	**97 Min**

Missouri Learning Standards	
15.1202-D9: Perform burn-in/diagnostics	15.1202-D10: Troubleshoot and repair subsystems

Unit 3.6: Learning Targets

I can:
- Identify the proper sequence of steps to follow in the troubleshooting methodology.
- Diagnose and resolve common motherboard problems.
- Diagnose and resolve common computer memory problems.
- Diagnose and resolve common processor problems.
- Diagnose and resolve common disk storage problems.
- Diagnose and resolve common computer display problems.

Intervention and Enrichment

Assessments

MLS (Learning Goal)	Description or Location
• 15.1202-D9 • 15.1202-D10	Ch. 3 Exam
	ITF+ (FC0-U61) Exam

Vocabulary

Troubleshooting	Data Corruption	Power-on Self Test (POST)	Beep Codes

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Instructional Materials

Video/Demo
3.6.1 Troubleshooting
3.6.7 Troubleshoot System Power
3.6.9 Troubleshoot Memory
3.6.11 Troubleshoot Processor Installation
3.6.13 Troubleshoot SATA Devices

Lab/Activity
3.6.8 Troubleshoot System Power
3.6.10 Troubleshoot Memory
3.6.12 Troubleshoot Processor Installation
3.6.14 Troubleshoot SATA Devices

Additional Instructional Resources

3.6.2 Troubleshooting Facts
3.6.3 Motherboard Troubleshooting
3.6.4 Memory Troubleshooting
3.6.5 Processor Troubleshooting
3.6.6 Storage Troubleshooting

Reflections for Future Revisions