IT Fundamentals Pro: Chapter 8.2 Programming Overview

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Grade	**11/12**
Unit of Study	**Information Technology Fundamentals**
Length of Unit	**39 Min**

Missouri Learning Standards	
N/A	

Unit 8.2: Learning Targets

I can:
• Recall significant developments in the history of computer programming.
• Explain what computer programming is and why it is useful.
• Describe the difference between programming and scripting.
• Analyze and interpret pseudocode and programming logic flowcharts.
• Describe the difference between developing computer programs and using software packages.
• Compare and contrast different programming language categories, including interpreted, compiled, and query languages.

Intervention and Enrichment

Assessments

MLS (Learning Goal)	Description or Location
N/A	Ch. 8 Exam
	ITF+ (FC0-U61) Exam

Vocabulary

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Computer programming	Programming language	Scripting language	Pseudocode
Data type	Identifier	Container	Function
Object-Oriented Programming (OOP)	Encapsulation	Assembly language	Compiled language
Interpreted language	Runtime engine	Algorithm	Flowchart

Instructional Materials

Video/Demo
8.2.1 Introduction to Programming
8.2.3 Programming Languages

Lab/Activity

Additional Instructional Resources

8.2.2 Programming Terminology
8.2.4 Programming Language Facts
8.2.5 History of Programming Languages
8.2.6 Working with Pseudocode

Reflections for Future Revisions