Instructional Scenario
How Are Programs Written?

Course/Duty Area: Information Technology Fundamentals/Exploring Programming

Scenario:

You are a software developer and are tasked to create a program that automates a business process. You must design each step of the process. Create a flow chart to map out how the program will be built and work with the programmers to write code for the program.

Big Question:

What is the process of writing a program?

Focused Questions:

- What are the steps to designing a program?
- What is a programming language?
- Which programming languages are available to use?

Student Project or Outcome:

Students can begin to research the role of programmers by determining a business process that would benefit from an application. Students will determine which programming language may best be suited for the program. Students will create a flowchart.

Teacher Resources:

Flowchart tools, such as Canva, Google Docs, and Microsoft Visio

Scenario submitted by Damien Douglas, Executive Director, InspireIT