

Investigating Computers (10-assignment)



This is an integrated instructional module designed specifically to operate within a Modular Program environment. It is ideal for use with our Scantek Technology or IT2020 Information Technology programs. The module includes a 10-assignment exploratory curriculum that is split into two parts. Each part includes a pre-test and post test. The module includes software and curriculum materials sufficient to provide a complete learning experience.

The curriculum incorporates continuous assessment through questions. When used in conjunction with a ClassAct networked management system, this provides instant feedback of student performance. The assessments begin with a comprehensive pre-test. This quiz includes questions for each subsequent assignment, together with questions that will specifically test math and reading ability.

Every assignment starts with a series of questions designed to track inventory. These ensure that any missing items are located before they are needed.

Each assignment is divided into a series of research and investigation tasks. These tasks introduce students to computer systems technology with material delivered by a series of on-screen applications. Assessment questions are incorporated into each task.

Exploratory Phase Topics:

- Operating systems
- Graphical and text-based user interfaces
- GUI desktop
- Control Panel
- File and folder structure
- File names and extensions
- Operating system installation
- Application software installation
- Pre- and post-installation activities
- User accounts
- Windows startup and shutdown
- Operating system modes
- Windows architecture
- The registry
- Hard disk low- and high-level formatting
- File systems and file management
- User requirements for software
- Choosing software

Exploratory Phase Activities:

- Identifying and comparing operating systems.
- Using text and graphical user interfaces.
- Exploring Windows GUI and the role of the control panel.
- Exploring files, folders, and file name extensions.
- Installing an operating system.
- Installing application software.
- Performing pre- and post-installation activities.
- Recognizing, creating, changing, and deleting user accounts.
- Starting up and shutting down the computer.
- Investigating how Windows works.
- Exploring hard disk formats and file systems.
- Analyzing requirements and selecting software.

Each assignment is designed around a list of performance objectives. These lists include academic, technical, and occupational objectives. The assignments are written in such a way as to enable a student to attain the performance objectives, with the assessment questions linked to these in order to provide a measure of true competency.

The performance objectives are used by the ClassAct management system to generate a comprehensive portfolio of student competency reports. Default reports supplied with this module include:

- Entry report
- Technical/Occupational Exit report
- Basic Skills report based upon the federal SCAN's report.

The items supplied with this instructional module include:

- 10-assignment On-Screen Student Assignment Guide CD
- 10-assignment Student Workbook
- 10-assignment Instructor's Guide
- Simulation Software
- Theory Support Software

Additional items required:

- Computer

Module Facts

For Technology Program, order as: ST670/10 Investigating Computers

For IT Program, order as: ISS3E Investigating Computers

	No.	Average time
Assignments	10	45 minutes
Extension Activities	2	60 minutes
Total		9½ hours



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