

**Mission Statement:** It is the mission of the Elba Central School District to actualize the phrase “Elba Equals Educational Excellence for Everyone.” We are committed to providing both quality and equity. Every student will have the opportunity to develop to the best of his/her ability.

**Elba Standards:** In addition to the knowledge and basic skills they need in order to participate in society, graduates of Elba Central School will develop:

1. Empowering skills: decision making, goal setting, creative thinking and problem solving abilities;
2. Communication and social interaction skills;
3. Technological literacy;
4. Total wellness (social, physical, emotional health and self-esteem);
5. The values necessary to participate in society.

As a result of achieving these outcomes, our students will embrace lifelong learning.

**New York State Standards:**

**CAREER DEVELOPMENT AND OCCUPATIONAL STUDIES**

1. Students will be knowledgeable about the world of work, explore career options, and relate personal skills, aptitudes, and abilities to future career decisions.
2. Students will demonstrate how academic knowledge and skills are applied in the workplace and other settings.
3. Students will demonstrate mastery of the foundation skills and competencies essential for success in the workplace.
4. Students who choose a career major will acquire the career-specific technical knowledge/skills necessary to progress toward gainful employment, career advancement, and success in postsecondary programs.

**National Standards:**

1. Describe current and emerging computer architecture.
2. Establish and use a personal code of ethics for information systems use and management.
3. Assess the impact of information systems on society.

**Performance Indicators:**

- Understand the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software.
- Understanding of why computers are essential components in business and society in general.
- Recognize the personal computer’s position as the backbone of the computer industry and emphasize its use as a stand-alone and networked device.

<b>Assessment:</b>	<b>Acceptable Performance Level</b>
History of Computers Unit Test	70% or higher
Introduction to Computers Unit Test	70% or higher
System Unit Test	70% or higher
Input Unit Test	70% or higher
Output Unit Test	70% or higher
Storage Unit Test	70% or higher
Timeline Project	70% or higher
Input Project	70% or higher
Output Project	70% or higher
Final Exam (local)	70% or higher

**Scope:**

Instruction centers on the history of the computer, an introduction to using computers and the processing cycle. Each part of the cycle (input, process, output, and storage) is emphasized. Students will complete the course with a complete understanding of computers and how to use computers.

**Sequence:**

1. History of Computers
2. Introduction to Using Computers
  - a. Computer Literacy
  - b. What is a Computer and What Does it Do?
  - c. The Components of a Computer
  - d. What is a Computer So Powerful?
  - e. Computer Software
  - f. Networks and the Internet
  - g. Categories of Computers
3. The Components in the System Unit
  - a. The System Unit
  - b. CPU and Microprocessors
  - c. Data Representation
  - d. Memory
4. Input
  - a. What is Input?
  - b. What are Input Devices?
  - c. The Keyboard
  - d. Pointing Devices
  - e. Scanners and Reading Devices
  - f. Digital Cameras
  - g. Audio and Video Input

5. Output
  - a. What is Output?
  - b. What are Output Devices?
  - c. Display Devices
  - d. Printers
  - e. Other Output Devices
6. Storage
  - a. Memory vs. Storage
  - b. Floppy Disks
  - c. Hard Disks
  - d. Compact Discs
  - e. Tapes
  - f. Other Types of Storage

**Methodology:**

- Use of enrichment activities and projects to reinforce learning of subject matter.
- Evaluate understanding of computers and how they work.
- Incorporation of 6-Traits as a method of assessing writing pieces within the scope of the course.