

**IT FUNDAMENTALS**  
**COURSE CODE: 5025**  
**ADDITIONAL MATERIALS AND RESOURCES**

[Instructional Materials](#)

[CompTIA IT Fundamentals](#)

**CTSO's**

[Technology Student Association](#)

[South Carolina Technology Student Association](#)

[Future Business Leaders of America](#)

[SC Future Business Leaders of America](#)

[Skills USA](#)

**Assessments/Certifications:**

CompTIA

[IT Fundamentals \(comptia.org\)](https://www.comptia.org)

YouScience

[Information Technology Fundamentals Standards \(youscience.com\)](https://www.youscience.com)

**IT Concepts and Terminology:**

[IT Terminology - A Glossary of Tech Terms for Beginners | IT Career Center | CompTIA](#)

[IT Concepts and Terminology | Cyber.org](#)

[Glossary of Terms \(intel.com\)](#)

**Infrastructure:**

[What is IT Infrastructure? A Beginner's Guide \(freecodecamp.org\)](#)

[What is IT Infrastructure? | IBM](#)

[What is IT infrastructure? \(redhat.com\)](#)

[What Is Network Infrastructure? – Cisco](#)

## **Applications and Software:**

[OS Comparison | CompTIA](#)  
[Fundamentals of Operating Systems | Codecademy](#)

## **Software Development Concepts:**

What is software development? | IBM

What Is the Software Development Life Cycle? SDLC Explained | [Coursera](#)

Software Development Fundamentals | [Microsoft Learn](#)

How to Become a Software Developer | 9 Tips | [Coursera](#)

## **Database Fundamentals:**

Database Fundamentals | [Microsoft Learn](#)

Introduction to Database ([w3schools.in](#))

Oracle Basics ([oracletutorial.com](#))

Database basics - [Microsoft Support](#)

## **Security:**

Introduction to Cybersecurity | [Codecademy](#)

[Cyber Security Fundamentals | Coursera](#)

[Modern Cybersecurity Fundamentals | Udemy](#)

[Free and Low Cost Online Cybersecurity Learning Content | NIST](#)

## **Emerging Technologies:**

[The Future of Ecommerce: Top Emerging Technologies to Watch in 2023 \(linkedin.com\)](#)

Documentary 2057 - This is a documentary that was created and shown in 2007. The documentary predicted what the world would be like in 2057. The documentary is in three parts focusing on different areas (The Body, The City, and The World) The documentary not only has an interesting fictional story throughout the videos, it also shows the universities, corporations and countries that were working on the technologies at the time to make those technologies a reality. [Video link](#)

## **Computational Thinking:**

[Computational Thinking for All](#) ISTE

[How to Develop Computational Thinkers](#) ISTE

**Career Development:**

[SCOIS](#)

[O\\*Net Online](#)

[Tallo Connect With Opportunities](#) (need subscription)

**Other Resources:**

[Liveworksheets](#) allows you to transform your traditional printable worksheets (doc, pdf, jpg...) into interactive online exercises with self-correction, which we call "interactive worksheets". Students can do the worksheets online and send their answers to the teacher. This is good for the students (it's motivating), for the teacher (it saves time) and for the environment (it saves paper).

[IT Fundamentals Curriculum can be used as a stand-alone or supplement](#)

[IT Fundamentals | Cyber.org](#)

[Practice Test](#)

[Quizlet Study Guide](#)

**Videos:**

[50 Must See YouTube videos for DIY Computer Repair](#)

[TestOut: IT Simulation Environment](#)

[TedTalk](#)

[CompTIA IT Fundamentals Full Course](#)

**Magazines:**

[Tech Republic: News, Tip, and Advice for Technology Professionals](#)

[PC Magazine](#)

[PC World](#)

[Computer World](#)

[CNet Current Events in Technology](#)

**Apps:**

[Get Kahoot: Online interactive classroom activities](#)

[Quizlet](#)

[Socrative Quiz Builder](#)

[Zip Grade - automatic grading program](#)

[Gimkit](#) is a game show for the classroom that requires knowledge, collaboration, and strategy to win. Teachers get started for free! You need to enable JavaScript to run this app

[Quizziz](#): Motivate every student to mastery with easy-to-customize content combined with tools for inclusive assessment, instruction, and practice