

## What is Cyber Security?

Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. These attacks are usually aimed at accessing, changing, or destroying sensitive information. practice of protecting systems, networks, and programs from digital attacks. These attacks are usually aimed at accessing, changing, or destroying sensitive information.

## Career Path Options

- ◆ IT Security Engineer
- ◆ Security Architect
- ◆ Information Security Analyst
- ◆ Chief Information Security Officer
- ◆ Forensic Computer Analyst
- ◆ System Administrator
- ◆ Software Developer
- ◆ Network Engineer

## Course Outline and Industry Certifications

### ◆ 1st Semester:

TestOut IT Fundamentals Course:

- ◆ Introduction to Computers
- ◆ Networking
- ◆ Databases and Programming
- ◆ Information Systems and Security

### ◆ Industry Certification:

MTA Windows OS

CompTIA IT Fundamentals

### ◆ 2nd Semester:

TestOut PC Pro Course:

- ◆ PC Technician Responsibilities
- ◆ System Components
- ◆ Peripheral Devices
- ◆ Storage
- ◆ Networking
- ◆ Wireless Networking
- ◆ Printing
- ◆ Mobile Devices



## IT Foundations Level 1 Course:

Introduction to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks

Mrs. Diamond  
eadiamon@volusia.k12.fl.us

## Expectations

---

- ◆ Be an active participant in your learning. Read carefully, listen, collaborate, and ask questions.
- ◆ Students are expected to complete assignments and turn them in on time. Participation will be measured in your ability to do so.
- ◆ Students are required to participate in all classroom activities, exercises, and assignments.
- ◆ Students will work with peers to aid each other along the way, offering valuable and meaningful feedback.
- ◆ Attendance is required, as is promptness.
- ◆ Class starts at the bell, you are expected to be prepared and ready to start class.
- ◆ Respect peers, property, teachers and yourself.
- ◆ No cellphones, earbuds, electronic devices, are to be used in class.
- ◆ All school rules will be enforced.
- ◆ Absent, it is your responsibility to find out what was missed and complete missing assignments.

*Remember:*

*You are Responsible for You!*

*Together, we will create a culture of thinking and collaborate to create effective learning!*

## E-Portfolio

---

E-Portfolios will reflect on what students have learned and accomplished in this class. Students will have time to complete the E-portfolio through out the year. Students will showcase selected assignments here.

## Standards-Based Feedback

---

Throughout each quarter, students will receive feedback from the teacher and their peers. Feedback is based upon the standards and students will always be able to submit, receive feedback, revise and re-submit. Students are in charge of their own learning and will be given opportunities to make their thinking visible, have a voice in the classroom, and share their knowledge.

## Visible Thinking

---

Student will be given time to critically think about the tasks at hand and reflect on their learning. Students will complete Visible Thinking Routines independently and with peers.

Visible Thinking has two goals: to deepen content learning and to cultivate students' thinking skills and thinking dispositions.

## Supplies

---

- ◆ Spiral 1 Subject Notebook
- ◆ Plastic 2 pocket Portfolio with Prongs
- ◆ USB Flash Drive
- ◆ Pen and/or Pencil (Everyday!)

## Extra-Curricular Activities

---

- ◆ TSA (Technology Student Association)
- ◆ CyberPatriot
- ◆ Cyber Security Competitions

\*Extra curricular activities are held afterschool. They are open to any and all who are interested.

