



## 2022-2023 Three-Credit Hour Course: Cyber Safety

- ▶ **Audience:** *West Virginia Teachers/Educators and Administrators who have not completed the Basic Fundamentals of Cyber Safety One-Credit Hour Course/Module.*
- ▶ **Type:** *Self-Paced with Rolling Enrollment*
- ▶ **Enrollment:** *September 1, 2022 - April 14, 2023*
- ▶ **Duration:** *September 1, 2022 - May 19, 2023*

**Description:** According to the University of California Berkeley, “From July to August 2020, Microsoft’s Global Threat Activity Tracker detected more than 8 million malware incidents — with education being the most affected industry. As a result of the recent rush to adopt e-learning, the field has been exposed to an increase in cyberattacks. Cybercriminals are finding opportunities to defraud schools, steal sensitive information or deploy ransomware schemes to extort money. In fact, a public service announcement by the FBI’s Internet Crime Complaint Center (IC3) recently warned that attackers are taking advantage of the transition to online learning due to COVID-19 through increased targeting of virtual environments, including those utilized by schools.

While online learning provides so many positive opportunities for learners and teachers alike, it is more important than ever to strengthen cybersecurity defenses to deal with new and emerging attacks.

This course provides information about using Internet resources safely. Participants are presented with insights into possible dangers student users face as well as guidelines to help safeguard them as they utilize the vast resources of the Web.

### **Course Goals:**

- ▶ *Identify risks of students’ use of the Internet.*
- ▶ *Identify Acceptable Use Policies (AUP) of state/ county/ school to provide guidelines for student safety on the Internet.*
- ▶ *Recognize the need for promoting cyber safety for our students.*
- ▶ *Define and recognize spam, scams, and other intruders.*
- ▶ *Use recommended ways of reducing/ preventing Internet invasions on their computers.*
- ▶ *Know where/ how to report Internet invasions of their privacy.*
- ▶ *Understand fair use as it applies to students utilizing web resources.*
- ▶ *Identify characteristics of plagiarism.*
- ▶ *Understand dangers inherent in illegal downloading.*
- ▶ *Become familiar with copyright laws as they apply to web resources.*
- ▶ *Gain experience with some online social networking areas.*
- ▶ *Recognize dangers of sharing personal information online.*
- ▶ *Understand precautions for using social networking sites.*



- ▶ Define and recognize cyberbullying and cyberstalking.
- ▶ Know how/ where to report Internet abuse/ misuse.
- ▶ Understand precautions that can/ should be taken to safeguard users of the Internet.
- ▶ Acquire knowledge about cyber safety issues involving cell phones and other mobile devices.
- ▶ Review and discuss the use of cell phones in the classroom.
- ▶ Create an original cyber safety quiz.

## Session Overviews

### ▶ **Session 1 – Cyber Safety: Protecting Our Students**

*During Session 1, participants will investigate cyber safety issues that student users of the Internet may encounter, examine their state/ county/ school policies on cyber safety, and consider and share their own ideas about keeping students safe on the Internet.*

### ▶ **Session 2 - Spam, Scams and Other Intrusions**

*During Session 2, participants will explore various spam, scams, and other Internet intrusion examples against which users need to guard. Participants will learn about online predators and ways of reducing risks as well as where to report violations.*

### ▶ **Session 3- Legal and Ethical Use of the Web**

*During Session 3, participants will investigate the illegal use of Internet resources. Participants will review scenarios involving fair use and copyright law as they apply to web resources as well as the dangers of plagiarism and illegal downloading of resources.*

### ▶ **Session 4 – Scientific Application of GIS**

*During Session 4, participants will access and investigate the use of online communities. Participants will investigate possible dangers inherent in using social networks and share tips, cautions, and preventive measure to protect individual identity and safeguard our children.*

### ▶ **Session 5 – Responsibilities of Students, Parents and Educators**

*During Session 5, participants will investigate and become familiar with the responsibilities of students, parents, and educators about the risks associated with the Internet, including cyberbullying and cyberstalking.*

### ▶ **Session 6 – Cell Phones and Other Mobile Devices**

*During Session 6, participants will read and learn about some current issues with cyber safety including those that involve cell phones, tablets, and iPods. They will investigate cautions and tips to support students' safe use of these mobile technology tools.*

## Course Grades

All grades in the course gradebook must be a checkmark for successful course completion. A checkmark indicates that all work has been completed and the work meets the expectations for that assignment. Quiz scores must meet the minimum expectations as stated in the course.

