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**Activity**

Browser Security Configurations

MODULE 15: Networks

This **activity** was written for the Florida Public School System DIGITAL INFORMATION TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber Florida, and the Florida Department of Education.

# Module 15: Networks

## Activity: Browser Security Configurations

The student explores the security configurations of an Internet browser. Each student will write a summary of what types of security settings and capabilities the specific browser has.

## Standards Assessed

* **11.01** Demonstrate how to connect to the Internet and identify and describe web terminology, addresses and how browsers work.
* **11.02** Demonstrate proficiency using basic features of GUI (Graphical User Interface) browsers, including: bookmarks, basic configurations, e-mail configurations, and address books.
* **11.03** Describe appropriate browser security configurations.

## Teacher Notes

The teacher demonstrates how to find the specifications of an Internet browser on the classroom computer.

In this two-part activity the student explores one of the following browsers and the supporting website which describes how to configure the specific browsers security configurations. Once the student explores one browser listed below, the student summarizes what types of security settings and capabilities the specific browser has.

* **Microsoft Edge browser**Privacy and security settings: <https://support.microsoft.com/en-us/microsoft-edge/enhance-your-security-on-the-web-with-microsoft-edge-b8199f13-b21b-4a08-a806-daed31a1929d>
* **Mozilla Firefox browser**Privacy and security settings: <https://support.mozilla.org/en-US/kb/recommended-firefox-privacy-and-security-settings-families>
* **Google Chrome** **browser**   
  Privacy and security settings: <https://support.google.com/chrome/answer/114836?hl=en&co=GENIE.Platform%3DDesktop>
* **Safari browser on iPhone**Privacy and security settings: <https://support.apple.com/guide/iphone/browse-the-web-privately-iphb01fc3c85/ios>

## Estimated Student Completion Time

* 45 minutes to complete the activity

## Activity Rubric

Consider evaluating the student’s work based on measures of quality. For example, with a maximum of 4 Points Possible, the following could be applied to the activity:

* **1 Point Earned** = ***Needs Improvement*** (the student work did not meet more than 50% of the requirements and did not follow instructions)
* **2 Points Earned** = ***Developing*** (the student met between 50% and 75% of the requirements and generally followed the instructions)
* **3 Points Earned** = ***Sufficient*** (the student met between 75% and 90% of the requirements and clearly followed instructions)
* **4 Points Earned** = ***Above Average*** (the student met > 90% of the requirements and followed all instructions)

# Activity: Browser Security Configurations

**Student Instructions**:

Follow the instructions for Part 1 and Part 2.

**Part 1: Explore the security configurations of one of the following Internet browsers.**

**Microsoft Edge browser:**

* Microsoft Edge offers enhanced security for browsing the web.
* Follow the instructions on this web page to explore the Microsoft Edge security settings: <https://support.microsoft.com/en-us/microsoft-edge/enhance-your-security-on-the-web-with-microsoft-edge-b8199f13-b21b-4a08-a806-daed31a1929d>

**Mozilla Firefox browser:**

* Firefox lets you customize privacy and security preferences so you can browse safely online.
* Follow the instructions on this web page to explore the Firefox privacy and security settings: <https://support.mozilla.org/en-US/kb/recommended-firefox-privacy-and-security-settings-families>

**Google Chrome browser:**

* Users can safely browse the Internet with Google Chrome.
* Follow the instructions on this web page to explore the Google Chrome browser security settings: <https://support.google.com/chrome/answer/114836?hl=en&co=GENIE.Platform%3DDesktop>

**Safari browser on iPhone:**

* You can control Privacy and Security settings using Safari on an iPhone.
* Follow the instructions on this web page to explore how to use the Safari browser privacy and security settings: <https://support.apple.com/guide/iphone/browse-the-web-privately-iphb01fc3c85/ios>

**Part 2: Browser Security Configurations Summary**

Write a summary of the types of security settings and capabilities the specific browser has using Microsoft Word or other word processor application compatible with .docx files. Include the following paragraph structure:

* Main idea sentence
* 2-3 details
* Closing sentence