

Skills for Success Curriculum Resource Cover Page

Organization

College Sector Committee for Adult Upgrading (CSC)

Curriculum Resource

Multi-factor Authentication Activity

In the first part of this resource learners will read through some short material on multi-factor authentication and complete a writing activity. In the second part learners will make a list of five of their own accounts for which they should enable multi-factor authentication and explain why it is important for each different account. They can choose to present their responses as a video, voice note, meeting, or draw a picture. A marking guide is included at the end of the resource.

OALCF Alignment

Competency	Task Group	Level
Competency A -Find and Use Information	Choose an item.	3
Competency B - Communicate Ideas and Information	Choose an item.	3
Competency D - Use Digital Technology	Choose an item.	3

Goal Paths (check all that apply)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Employment | <input checked="" type="checkbox"/> Postsecondary |
| <input checked="" type="checkbox"/> Apprenticeship | <input checked="" type="checkbox"/> Independence |
| <input checked="" type="checkbox"/> Secondary School Credit | |

Embedded Skills for Success (check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Adaptability | <input type="checkbox"/> Numeracy |
| <input type="checkbox"/> Collaboration | <input checked="" type="checkbox"/> Problem Solving |
| <input checked="" type="checkbox"/> Communication | <input checked="" type="checkbox"/> Reading |
| <input checked="" type="checkbox"/> Creativity and innovation | <input checked="" type="checkbox"/> Writing |
| <input checked="" type="checkbox"/> Digital | |

Notes:

The opinions expressed in this document are the opinions of the College Sector Committee for Adult Upgrading. The Government of Ontario and its agencies are in no way bound by any recommendations contained in this document.

Multi-factor Authentication

Total: /25

Learning Outcomes:

At the end of this activity, you should be able to:

- Understand multi-factor authentication and its importance
- Identify personal accounts that require multi-factor authentication

Multi-factor Authentication (MFA)

Multi-factor authentication (MFA) is becoming very popular to ensure security of accounts.

You may have multi-factor authentication on your:

- Google account
- banking or other financial accounts
- Social media accounts
- Microsoft account
- pension or benefits accounts

Multi-factor authentication adds an extra layer of protection beyond just the password. It makes it much harder for anyone who isn't you to access your accounts.

Check out [this video](#) on multi-factor authentication.

You can find this video by searching in your browser for
"Multi - factor Authentication Get Cyber Safe Video"

Entering your username and password to log in is the first step in setting up MFA.

You will then be prompted for a second verification to confirm that it is actually you logging in or accessing the site.

Multi-factor authentication methods include:

- An SMS (text) message sent to a mobile phone number
- An authenticator application on your phone
- A voice call to a phone number
- Use of biometrics – fingerprint or facial recognition

It is always a good idea to sign up for multi-factor authentication on all your accounts.

MFA is one of the best security measures you can take to keep your information secure!



There are 3 main reasons why you should enroll in MFA.

#1: Added security over a password

#2: Peace of mind against multiple attacks if one account is compromised

#3: Helps to keep you ahead of changing cyber (online) threats

So, always opt in when asked if you would like to set up MFA!

PART 1: Because, But, So (9 marks)

In this activity, you will use sentence starters to create complete statements using the conjunctions **because**, **but** and **so**.

Example

Starter: Digital safety is required when using the internet

Digital safety is required when using the internet **BECAUSE** you can never be too careful.

Digital safety is required when using the internet, **BUT** you can still enjoy the benefits of online life.

Digital safety is important, **SO** take it seriously!

Type your answers into the appropriate space in this document.

Each complete statement is worth 3 marks.

Starter #1 Multi-factor authentication is extra security

Multi-factor authentication is extra security **BECAUSE**

Multi-factor authentication is extra security, **BUT**

Multi-factor authentication is extra security, **SO**

Starter #2 I should always opt into multi-factor authentication

I should always opt into multi-factor authentication BECAUSE

I should always opt into multi-factor authentication, BUT

I should always opt into multi-factor authentication, SO

Starter #3 Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts

Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts BECAUSE

Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts, BUT

Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts, SO

Part 2: Multi-factor Authentication List (16 marks)

In this activity you will create a list of **5 accounts** you will enroll in multi-factor authentication and explain the importance of using MFA for each account.

1. Think about all of your online accounts. List **5 of your online accounts that you will enrol in MFA** as soon as you can. (5 marks)

2. If you have already enrolled in MFA, write a list of 5 online accounts you use it for. (5 marks)

3. Now think about why it is important to use multi-factor authentication for each account you have selected. List three reasons that explain why multi-factor authentication is important on each account. (6 marks)

To provide your response to this question, you may choose any of the following options:

- a. Create a short video on your phone or with other software
 - b. Create voice note on your phone
 - c. Meet with your faculty and discuss
 - d. Draw a picture
-
4. Submit your response to your instructor.

Bibliography

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Free Internet Safety Tutorial at GCFGlobal. (2022). Retrieved 22 September 2022, from <https://edu.gcfglobal.org/en/internetsafety/>

Personal and Private Information. (2020, March). Retrieved October 28, 2022, from <https://www.llsc.on.ca/digital-literacy-modules>

Establishment, C. (2021, October 29). Multi-factor authentication: Three reasons why it's essential for Cyber Security. Retrieved November 28, 2022, from <https://getcybersafe.gc.ca/en/blogs/multi-factor-authentication-three-reasons-why-its-essential-cyber-security>

Cybersecurity Awareness Month 2022 - Week #3. (n.d.). Retrieved October 17, 2022, from <https://sway.office.com/RsChMaPYdtWAMb6A?ref=Link>

Multi-factor Authentication **MARKING GUIDE**

Total: /25

PART 1: Because, But, So (9 marks)

In this activity, you will use sentence starters to create complete statements using the conjunctions because, but and so.

One mark for each complete statement.

Answers will vary; the goal is to have the learners reflect on MFA and why it is important.

Starter #1 Multi-factor authentication is extra security

Multi-factor authentication is extra security BECAUSE
Multi-factor authentication is extra security, BUT
Multi-factor authentication is extra security, SO

Starter #2 I should always opt into multi-factor authentication

I should always opt into multi-factor authentication BECAUSE
I should always opt into multi-factor authentication, BUT
I should always opt into multi-factor authentication, SO

Starter #3 Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts

Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts BECAUSE
Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts, BUT
Multi-factor authentication makes it much harder for anyone who isn't you to access your accounts, SO

Part 2: Multi-factor Authentication List (16 marks)

Responses will vary in this section. The goal is to have learners reflect on all their online accounts and use what they have learned about MFA to decide which accounts they should enroll in MFA for and why it is important for those specific accounts.

1. Think about all of your online accounts. List **5 of your online accounts that you will enrol in MFA** as soon as you can. **(5 marks)**
2. If you have already enrolled in MFA, write a list of 5 online accounts you use it for. **(5 marks)**
3. Now think about why it is important to use multi-factor authentication for each account you have selected. List three reasons that explain why multi-factor authentication is important on each account. **(6 marks)**
4. Submit your response to your instructor.

For #3, learners can choose any of the following to create their response:

- a. Create a short video on your phone or with other software
- b. Create voice note on your phone
- c. Meet with your faculty and discuss
- d. Draw a picture