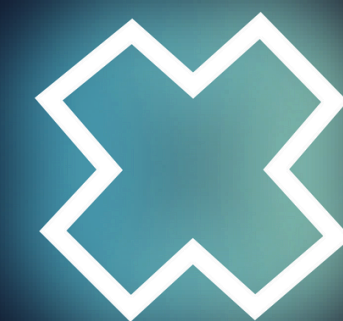
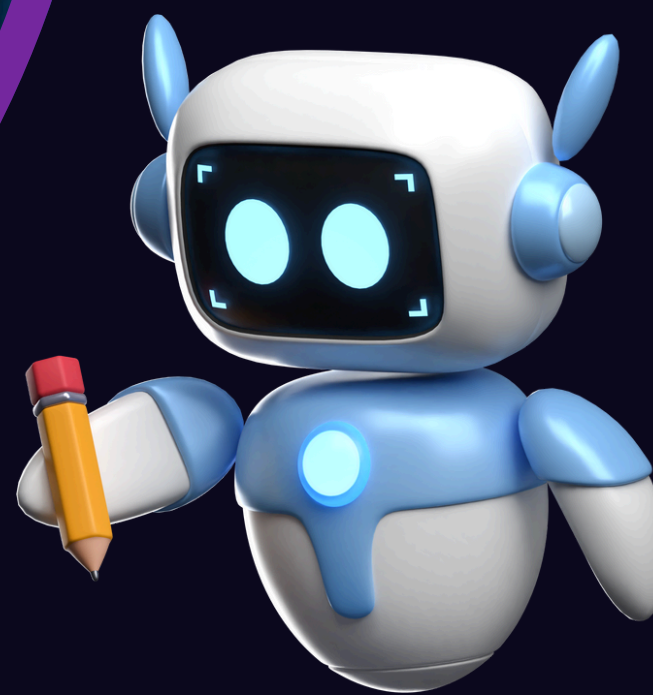




# ▶ TALENTO TECH



## REGIÓN 3 CAUCA – NARIÑO LESSON 2







TIC

## Lesson 2: "Understanding Two-Factor Authentication (2FA)"

To explain the concept of two-factor authentication (2FA) and how it enhances security. Students will learn the practical steps to set up 2FA and recognize its importance in protecting online accounts.

### Reading Activity: "What is Two-Factor Authentication?"

Two-factor authentication (2FA) is a security method that requires two different ways to confirm your identity before accessing an account. It adds an extra layer of protection to ensure that even if someone has your password, they still cannot access your account without the second verification step.

Here's how it works:

**1. Your Password:** This is something you know. You use your password to log in as the first step.

**2. A Verification Code:** This is something you have. It might be a code sent to your phone or email or a notification on an app.



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## Why is 2FA important?

**Stronger Security:** Even if a hacker gets your password, they cannot log in without the second factor.

**Peace of Mind:** Knowing your accounts are more secure helps you feel confident online.

## Examples of 2FA:

- Receiving a code via SMS when logging into your email.
- Use a fingerprint scanner on your phone to access your apps.
- Approving a login attempt through an authentication app like Google Authenticator.

## Step 1: Discussion

Ask students these questions to engage them:

1. Have you ever used two-factor authentication before?
2. Why do you think having a second verification step is helpful?
3. What might happen if you only rely on a password for security?

## Step 2: Hands-On Activity! "Set Up Your Own 2FA"





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**Prompt:** Imagine you just created a new email account and want to keep it secure.

## Instructions:

1. Walk students through a simulation or provide screenshots showing how to enable 2FA on a common platform (e.g., Google, Facebook, Instagram).
2. Highlight the steps:
  - Go to account settings.
  - Enable 2FA under the security tab.
  - Choose the verification method (SMS, email, or authentication app).
  - Test the setup by logging out and logging back in.

**Discussion:** After completing the exercise, discuss how easy or difficult the process was and how it made them feel about their account security.

**Reflection activity:** Kahoot game

<https://create.kahoot.it/details/30d03df0-12b8-4027-967e-496bbd84217f>