

How AI (Artificial Intelligence) is impacting Phishing Campaigns

AI is revolutionizing phishing by enabling highly personalized, scalable, and convincing attacks that bypass traditional security filters. According to Check Point Software and Hoxhunt, generative AI crafts realistic, error-free messages at scale, leading to a massive increase in sophisticated, targeted campaigns (spear phishing) and deepfake-driven scams.

Key impacts of AI on phishing include:

Hyper-Personalization at Scale: AI analyzes social media and public data to craft tailored messages referencing specific, real-world details (e.g., recent purchases, colleagues), significantly increasing credibility.

Polished Content Generation: Large Language Models (LLMs) remove telltale signs of phishing like grammatical errors and poor phrasing, creating high-quality, authentic-sounding content.

Deepfakes and Vishing: AI creates hyper-realistic audio (voice cloning) and video (deepfakes) to impersonate trusted individuals, such as CEOs in video calls or voice memos.

Automated Evasion: AI generates polymorphic content that changes for each recipient, allowing attackers to evade signature-based security filters and detection tools.

Accelerated Development: Attackers use automated tools to create fake websites and thousands of unique, tailored phishing emails in minutes, reducing the cost and effort of campaigns.

The AI Security Arms Race

The threat is forcing a pivot in defense. As Hoxhunt notes, AI-powered cybersecurity solutions are now required to fight AI-driven phishing by analyzing behavioral patterns rather than just email content.

Impact Metrics

Click Rates: AI-enhanced, spear-phishing messages have generated up to a 54% clickthrough rate.

Volume: Global phishing attacks have increased by 1,200% since 2022, with a 60% year-on-year increase in AI-driven attacks by 2024.

Credential Theft: Credential phishing incidents rose 700% by late 2024.

Now more than ever we must be extremely careful when we open email or click on links in emails. Never give out any personal information when requested in an email. It would be best to call whoever is asking for this information and verify it is a proper request.



Email: techsupport@ncdsb.on.ca
or Phone: 705.531.3577

*MS-Teams Phone Users
can dial 3577*



Vehicle Charge Stations

Many of the newer vehicle now have built-in quick charge stations in their consoles. If you have credit/bank cards, access cards or other cards with magnetic readers built-in, you must not place in the phone when the phone is being charged in this charge stations. The magnetic properties will be erased, and you will need to replace those cards affected.

ICT Projects

We are nearing completion of the MS-Teams phone system roll-out. We had experienced a few minor hiccups, but the transition has been a great success to date. We are hoping to have this project completed by the end of April.

Once the remainder of the schools have been transitioned to MS-Teams phones, the directory on your desk phone will have all the extensions available so you can “quick-dial” without having to look up the number from some other documents.

The MS-Teams Phone user manual can be found on our website under: [Programs & Services – Staff Resources](#)

Our next project will be a network upgrade to Next Generation Firewalls and Switching. These devices will help NCDSB to align the Cybersecurity Initiatives that our board is working on in collaboration with Cyber Security Division - Ministry of Public and Business Service Delivery and Procurement within the government of Ontario. We will be aligning to their established framework and governance for Cybersecurity for all school boards.

Microsoft Learning Tools

The following learning tools are available for free from Microsoft as part of our educational subscription to MS-365.

This is just a list of links and tools that can be used, along with learning opportunities for teachers. These links are provided for interest and there is no expectation of them being utilized by staff. If you do wish to use these links and require assistance, please contact either Todd Bosak or Doug Mongeon for assistance.

Learning Accelerators | Microsoft Education

- Inclusive tools such as Reading Coach and Microsoft Reflect designed to help students succeed.

<https://learn.microsoft.com/en-us/training/educator-center/topics/learning-accelerators>

Microsoft Learning Accelerator – Quick Start Guide

- A practical guide to getting started with Learning Accelerators.

[Education Resources for School Leaders | Accelerators Guides](#)

Educator Center Overview | Microsoft Learn

- Training, certifications, and learning paths for educators.

<https://learn.microsoft.com/en-us/training/educator-center/>

Microsoft Elevate for Educators

- Professional learning and skilling resources for educators.

<https://elevateforeducators.microsoft.com/>

Microsoft AI Skilling – Logics Academy

- K–12 STEM solutions and AI skilling programs for students and educators.

<https://logicsacademy.com/>

ECNO also has some great learning tools for Cyber-Awareness and other topics of interest.

[Cyber Awareness Resources](#)