

Unit 5 Phishing scams

Teacher's notes

Preparation

Before you use this lesson plan:

- Make one copy of each worksheet per student.
- Visit the proposed websites to check they are operational. Check that Flash Player is installed on the computers the students are going to use.

Warmers

First (5 minutes)

Write the word "Cybercrime" on the board. Divide the group into pairs. Give them two minutes to brainstorm as many forms of cybercrime as they can. After two minutes, write their ideas on the board. Compare this list with the one on page 98 of *Infotech*.

Long (10 – 15 minutes)

Tell the students that they are going to focus on phishing. Ask whether anyone in the group knows someone who has been the victim of phishing. Ask whether anyone in the group has received a phishing email. How did they know it was not genuine? For example, banks do not have spelling mistakes in their emails, and they don't use email addresses or URLs that are different from their official Web and email addresses.

Set the scene

(5 minutes)

Ask the students to read the *situation*. Emphasise that the purpose of the presentation is to train other people to protect themselves against phishing scams. The presentation will need to be short and clear but contain all the necessary information.

Present the tasks

(5 minutes)

Explain the procedure:

- 1 Divide into small groups or pairs.
- 2 Use the websites to research and collect information; fill in the tables.
- 3 Prepare and give short presentations.

Do the tasks

Research (20 minutes)

- If computers are available, allocate one to each small group or pair and let the students do their research.
- If computers are not available, set the research as homework to be performed at home or during free time at work. Emphasise to the students that they do not need to spend more than about 20 – 30 minutes collecting information.

Presentation (15 minutes preparation, 5 minutes presentation each)

After the research, the research groups or pairs prepare their presentations based on the framework on the worksheet. Emphasise that the final presentation should not be more than about 5 minutes long and the students should, where possible, present the information using their own words, rather than reading directly from their data tables.

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Aims

- talking about cybercrime
- presenting recommendations

Situation

You are an expert in online security. You have been invited to speak to the employees of the city council about protecting themselves. Recently, there has been great concern about people falling victim to online fraud. So far, only one person working for the council has been affected by this. However, senior management have decided that everyone should receive some training on how to identify and respond to possible online scams. You have been asked to give a short presentation on the practice of phishing.

Tasks

- 1 You are going to research phishing on the Web.
- 2 You are going to prepare and give a short presentation to warn the employees of the council of the dangers of phishing and how to deal with them.

Task 1 – the research:

Use the websites listed below to learn about phishing. Record the information you find in Table 1 and Table 2.

On Guard Online

<http://www.onguardonline.gov/topics/phishing.aspx>

Read the definition of phishing and the accompanying advice.

Recent phishing scams

<http://www.millersmiles.co.uk>

Look at the list of recent phishing scams on the right of the screen. Choose one and click on the link to find more details. Note also the database of the three most popular phishing scams.

Table 1: how to protect yourself from phishing scams

Type of phishing scam	Recommended action

Table 2: a recent phishing scam

Date:	Risk level:
Apparent sender:	Location:
Comments:	
Reason given in email for requesting information:	

Task 2 – making a decision

Good morning. It's a pleasure to be here with you today. My name is and I'm going to be talking about the dangers of email phishing scams.

My presentation is divided into three parts.

- First of all, I'm going to explain what an email phishing scam is.
- Secondly, I'm going to tell you how to respond if you receive a phishing email.
- And finally, I going to give you an example of a phishing email to help you to identify them in the future.

If you have any questions, feel free to interrupt at any time.

Right, let's go straight to the first part: what is phishing?

Ok, I'd now like to turn to how to respond to phishing emails.

Finally, let's look at an example of a phishing email.

Ok, that brings me to the end of my presentation.

If you have any questions, I'll be happy to take them now.