

Teachers Notes

GCSE ICT Internet Security- Hacking

This document accompanies the PowerPoint presentation which should be downloaded along with this file.

INTRODUCTION

The PowerPoint presentation introduces students to the idea of internet security and focuses on the illegal behaviour of others accessing your computer. This presentation does NOT encourage nor tell students the exact methods of hacking and simply shows the protocols which can be used within hacking and the security measures in place.

TEACHER KNOWLEDGE

To teach this lesson you will need a basic knowledge of the layout of the internet and the security measures in place. With a more advanced level class you can explain the exact protocols that the internet uses from slide 5 in more detail (eg explain what ip and DNS are).

CLASSWORK AND HOMEWORK

With these files there was also a series of PDF files which can be printed to aid the students. The worksheets are easily followable and can be used as classwork or homework

FURTHER GUIDANCE

Within the GCSE schemes there is not much need for candidates to have an in depth knowledge of internet security or indeed hacking however it is a good skill to learn ("to catch a criminal you have to think like one") but you need to know where to cross the line in terms of teaching- I doubt you should consider actually teaching student how to hack .