

# IT: INTERNET

## 1. Instructions

---

The main page shall include a picture and the name of the author of the document.

Create a “word” document to clarify the advantages and disadvantages of the INTERNET network. Apart from the many advantages that Internet can provide, the students shall know the risks and the different options available for protecting our identity and also to protect our computers too.

To start with, it is necessary to define what internet is, from the technical point of view.

Please take a look at this online book to help you to find some answers:

<http://www.20thingsilearned.com/en-GB>

Text formats:

- Titles of level 1: Calibri, size 26. Example: **Technical point of view**
- Titles of level 2: Calibri, size 18. Example: **Internet network**
- Simple text: Calibri, size 12. Example: This is my text

# 1. INTERNET from the technical point of view

---

1. What is Internet?
2. What is **TCP/IP** ?
3. What is Internet's **bandwidth**?
4. Find and define different types of networks such as: **PAN, LAN, etc**
  1. Provide an image for each of the previous computer networks to depict how computers are interconnected

## 2. Cloud computing

---

1. Explain what cloud computing is?
  1. Mention and explain at least four online applications (apps) that use cloud computing to provide services, for example "dropbox"
  2. For each of the previous five apps, please find out the logotype and include it in your answers
2. Please include all the previous information in a table, like the one hereafter:

Cloud computing Apps explanation	Logotypes

3. Provide an image to help you to understand what cloud computing is

### 3. Web pages and web browsers

---

1. Explain what is a web page?
2. What is a web browser?
  1. Draw a table with five rows and two columns. For example:

<b>Web Browser</b>	<b>Logotypes</b>

2. In the first row, mention four different types of web browsers
3. In the second row, include the logo for each previous web browser
4. What is a plug-in?
5. What is a browser cookie?.
6. Do you think that your privacy is compromised when the browser supports cookies on your computer?. Why?

## 4. Malware

---

1. What is a virus?
  1. Mention four different virus
    - First one
    - Second one
    - Third one
    - Fourth one
2. What is Phishing?
3. What is a Trojan?
4. How can the computer be protected against malware programs?
5. How can we know whether a web address is safe enough when we surf internet?
  1. Write three unsafe web addresses
    - First one
    - Second one
    - Third one
  2. Write three safe web addresses
    - First one
    - Second one
    - Third one

## 5. Conclusions

---

Please write here four lines with your own conclusions related to the following topics:

- About Internet network
- About Cloud computing
- About Web Browsers
- About Malware