

VOCABULARY – New Technologies

A breakthrough : une percée (scientifique, technologique...)

To make progress (uncount.) **JAMAIS AU PLURIEL** : faire des progrès

An advance: un progrès, une avancée

Il y a des progrès : There **is** progress/There **are** advances

Groundbreaking : innovant, révolutionnaire

New-fangled/state-of-the-art: dernier cri/ultramoderne

A device/An appliance: un appareil

cutting-edge technology : technologie de pointe

Up-to-date: à jour, moderne

To update/upgrade : mettre à jour, moderniser/améliorer

Obsolete : obsolète, dépassé

A tool (gén.) : un outil

To disable : désactiver (un ordinateur, téléphone portable)

To be accused of emitting ... waves : être accusé de émettre des ondes...

To text sb: envoyer un SMS à qq'un **A text message** : un SMS

User-friendly : convivial, facile d'utilisation

Ø software (uncount.) **JAMAIS AU PLURIEL** : logiciels

Ø hardware (uncount.) : le matériel informatique

To design/develop : concevoir, élaborer, mettre au point

A manufacturer: un fabricant

A range of products: une gamme de produits

A high-end product: produit haut de gamme

To have an/the edge over...: avoir l'avantage sur

To have/get a competitive edge over: être/devenir plus compétitif que

To lose one's competitive edge: devenir moins compétitif

To be sold worldwide: être vendu partout dans le monde

Widespread: très répandu

The widespread use of...: l'usage très répandu de

Computer science : la science informatique

Information Technology (IT) /Computing : l'informatique

ATTENTION! *Ma grand-mère est nulle en informatique : My grandmother doesn't know anything about computers* (in everyday English : **INFORMATIQUE** est de dire « **Ø computers** »)

The digital divide : la fracture numérique

To be left behind : être laissé pour compte/être distancé

Computer literacy : compétence en informatique

Computer literate (adj.): initié à l'informatique

AI: IA. **Artificial intelligence**

Robotics: la robotique

Automation: l'automatisation

The Three Laws of Robotics according to Sci-Fi author Isaac Asimov:

"(1) a robot may not injure a human being or, through inaction, allow a human being to come to harm; (2) a robot must obey the orders given it by human beings except where such orders would conflict with the First Law; (3) a robot must protect its own existence as long as such protection does not conflict with the First or Second Law."

Vocabulary - privacy on the Internet

to invade privacy/intrude on sb's privacy: s'ingérer dans la vie privée

privacy: intimité, confidentialité

privacy invasion (uncount.) : atteinte à la vie privée

a privacy breach : une atteinte à la vie privée

eavesdropping: les écoutes illicites

to tap a phone: mettre un téléphone sur écoutes

wire tapping: la mise sur écoutes

to stalk sb: traquer qq'un

the misuse of sth: mauvaise utilisation, abus

to misuse sth: mal utiliser, employer abusivement, de façon impropre

public exposure: visibilité publique, exposition publique

to expose oneself/one's private life: s'exposer, exposer sa vie privée

to upload photos: mettre des photos sur internet

to download: télécharger vers son ordinateur

to watch (sb/sth), to monitor (sth), to spy on (sb/sth): surveiller

to scrutinize : *étudier de près, observer, surveiller*:

to be under scrutiny : être surveillé

a CCTV camera, a surveillance camera

mass surveillance: surveillance de masse

sb's **whereabouts**: les faits et gestes, les allées et venues de qq'un

to track, to track down: traquer

settings: paramètres (paramètres d'un compte)

an account: un compte

Big Brother: the elusive dictator in 1984. A dystopic novel (written by George Orwell in 1949) in which the population is under the scrutiny of ubiquitous cameras and spying neighbours. The slogan "Big Brother is Watching You" was posted everywhere to threaten the population.

Big Brother Watch is a British association: Its motto is "Defending civil liberties, protecting privacy". Wants to "watch the watchers", that is to say mostly the authorities. It fights against CCTV cameras invading the public space, against DNA databases being held by the police authorities, etc.

a whistleblower: un lanceur d'alertes

eg. Edward Snowden, Chelsea (born Bradley) Manning who denounced US mass surveillance practices

to flag: signaler to flag an abuse, a misdemeanour, illegal practices...

to denounce: dénoncer

safeguards: garde-fous, garanties (to set up safeguards against privacy breaches)

"the right to be forgotten": le droit à l'oubli

public/general outcry: tollé général (when we first learned that Facebook sold its data to other sites, there **was an outcry**/it **sparked an outcry**)

facial recognition software: logiciel de reconnaissance faciale

Big data: a collection of data sets (held, notably, by such internet giants/big names as Amazon, ebay, Facebook) that are so big they are hard to handle but whose sheer size could be a gold mine if properly analysed. The term big data is also short for **big data analysis**.

to collect data: *collecter des données*

to crunch numbers: traiter des données chiffrées rapidement
watch

a brick-and-mortar store: *un magasin "en dur", réel* (≠ a pure player for online shopping)

a brick-and-mortar university: université "en dur", réelle (≠ open university equivalent of the French CNED or ≠ MOOCs= Massive Open Online Courses)

videoconferencing: la visioconférence

to work from home/to work remotely/ /to telecommute: être en télétravail