

VOCABULARY – IT AND AI

Information technology (IT) : L'informatique

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)

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** : « 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

Artificial intelligence

AI: IA

Robotics: la robotique

Automation: l'automatisation

LLM : Large Language Model (mot à mot : grand modèle de langage)

Generative AI : L'IA générative

To generate content : générer du contenu

AI-generated content: contenu généré par l'IA

AI-powered tools

To feed data into a machine: fournir des données à

To process information: traiter l'information

The training process: le processus d'apprentissage

To weigh the benefits and risks: peser les bénéfices et les risques

Problem-solving: la résolution de problème

Critical thinking : l'esprit critique

Reasoning : le raisonnement

Advantages and drawbacks: avantages et inconvénients

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."

Towards automation: Vers l'automatisation

- **The Luddites**: 19th century labour movement in the British textile industry: Some weavers (tisserands) destroyed the automated looms (looms: weaving machines: métiers à tisser) that were being introduced in their factories. The term "luddism" has survived till today and has even been given a new lease on life with the advent of new technologies and robotics
- **Automation**: automatisation
- **To automate**: automatiser
- **Unconditional basic income** (that would help support all the workers made redundant by automation and robotics): le revenu universel de base (préconisé par beaucoup)
- **To substitute**: remplacer
- **A substitute** (or a substitute teacher/worker...): un professeur... remplaçant
- **Routine jobs/tasks**: emplois/tâches routiniers (sous-entendu : qui sont automatisables)
- **To outperform (humans)**: faire mieux que
- **the enhanced man**: l'homme amélioré
- **disruption**: perturbation
- **To disrupt**: perturber
- **Schumpeter**: the 20th century economist who theorized "creative destruction", according to which the market economy is in constant mutation. New products, new means of production, new jobs keep replacing outdated ones
- **"Disruptive innovation"**: (21st century): A form of innovation that disrupts the market, disrupts the way of creating things, or creates new value (typically, the digital economy, the uber economy...)