

Les sciences et le progrès

L'essentiel sur une page

Parler des sciences, des inventions et du progrès en anglais : vocabulaire, repères historiques, prétérit et argumentation.

1 Vocabulary

- **a scientist, research (indén.), an experiment** (≠ *an experience*), **a laboratory, evidence (indén.), a theory, a device, a tool, a machine, knowledge, a vaccine, a cure, artificial intelligence.**
- Branches : *physics, chemistry, biology, medicine, engineering* ; a *physicist* (≠ *physician* = médecin).

2 Invent or discover?

- **to invent** ce qui n'existait pas → *an invention, an inventor* : *Bell invented the telephone.*
- **to discover** ce qui existait déjà → *a discovery (discoveries), a discoverer* : *Newton discovered gravity.*
- *to design, to develop, to patent, to build, to test, to prove.*

3 Key figures

- **Newton** : gravité, 1687 · **Jenner** : premier vaccin, 1796 · **Stephenson** : locomotive, 1829.
- **Darwin** : évolution, 1859 · **Bell** : téléphone, 1876 · **Edison** : ampoule, 1879.
- **Wright brothers** : premier vol, 1903 · **Fleming** : pénicilline, 1928 (Nobel 1945 avec Florey et Chain).
- **Ada Lovelace** : premier programme · **Turing** : machine universelle, 1936 · **Berners-Lee** : World Wide Web, 1989.

4 Progress

- **progress** indénombrable : *to make progress, a lot of progress* (jamais ~~a progress~~).
- *to improve / an improvement, to develop, a breakthrough, a step forward, cutting-edge, state-of-the-art, to replace, to transform.*
- Comparer : *faster than, the most important, before... people used to..., today...*

5 Arguing

- *advantages / benefits / pros ≠ disadvantages / drawbacks / cons.*
- **On the one hand... on the other hand...** (toujours par deux) ; *although, whereas.*
- *It allows us **to** + BV / It prevents us **from** + V-ing / It makes life easier.*
- Conclure : *all things considered, in my view, I'm convinced that, the benefits outweigh the drawbacks.*

6 Telling the story

- **Prétérit** : *invented, discovered, built, found, made, became, led, won, rose.*
- Dates : *in 1928, on 3 September 1928, in the 19th century, at the age of 29, 100 years ago ; nineteen twenty-eight.*
- *X was a British scientist who... While he was experimenting, he noticed that...*

L'ESSENTIEL

- Experiment = expérience scientifique ; experience = expérience vécue ; research et evidence sont indénombrables.
- Invent (ce qui n'existait pas) → invention ; discover (ce qui existait) → discovery.

- Repères : Bell 1876, Edison 1879, Fleming 1928, Berners-Lee 1989.
- Progress est indénombrable : *to make progress* ; a breakthrough = une avancée majeure.
- Argumenter : *on the one hand / on the other hand, one drawback is that..., all things considered.*