Black Box => Chip => **Transistor** (allows electrical circuits to flow or not to flow)

Only capable of doing one thing.

The technological improvement of them, (smaller) has many benefits.

* Closer together, more information spread within a small timeframe.
* Cheaper.
* Less use of electricity.
* The more you have, the more it can do.

Moore’s Law - Every two years, the number of transistors per square inch will double.