You cannot understand cybersecurity without the principles of science. Looking at some of the principles like evidence, when trying to hack into something it must be observed if something can even be exploited. Once the observations have been made it comes into the experimentation of that exploit. Once the exploit has been achieved or not achieved, there is the result or the evidence with how it did   or didn't work. Using those same methods if it did or did not work can be used on other networks/websites to see if the same methods are able to be exploited somewhere else. With cybersecurity, and exploits being found, it progresses the next vulnerability to be more protected than the last.