

High Three - Unit One - Summary

This reading is going to talk about inventions and their origins; Thinking scientifically in some way is probably a part of every invention that has ever been created. That doesn't mean you have to be a scientist to be an inventor, though. It's often been said that necessity is the mother of invention. For instance, personal computers, which have revolutionized the world, have been invented by two dropouts in a garage!

It's so important to know the origin of the inventions and new ideas. The critical factor for this question is creativity, which everyone has. Creativity is a function of knowledge, curiosity, imagination, and evaluation. The greater your knowledge base and level of interest is the more ideas, patterns, and combinations you can achieve.

You can not create something original by repeating the same circle of life. Thus, it's only the curiosity of different individuals that allowed them to explore the various resources available. So we could call curiosity the mother of invention. For example, Mr. De Mestral, a Swiss engineer, realized that the cockle-burs' tiny hooks were stuck on his pants and in his dog's fur and wondered how they attached themselves. Under the scrutiny of the microscope, he observed that these burrs' microstructure is tiny hooks, which led him to produce Velcro.

Imagination is the second factor to be a successful inventor, which is the faculty or action of forming new ideas or images or concepts of external objects not present to the senses. As an example, Morrison claimed that the original idea for a flying disc toy came to him while watching throwing a pie pan between two drivers.

When an invention comes into reality, it usually solves a problem. Protecting ears from the extreme cold of winters was first came up by Chester Greenwood, who patented his idea when he was 19! Although his friends initially mocked him, the earmuff caught on quickly.

Finding a new idea is not enough to be a glorious inventor since the primary path is still unpassed. To pass the rest of the way, we have to be tenacious after coming up with a new idea. Tenacious is a person who is determined to do something and unwilling to stop trying even when the situation becomes complicated.

In the last stage, self-confidence is playing one of the vital roles in inventing something new. Believing in our aim is the result of self-confidence. The point is that every failure should be a lesson for us, and we should not get tired of keep trying more and more!



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- 1- Why don't all of the inventions need a scientific background?
- 2- Could you explain the difference between an invention and a discovery?
- 3- What is the impact of creativity on an invention?
- 4- Could you define creativity in one sentence?
- 5- How could different ways of thinking lead us to an invention?
- 6- How was Velcro produced for the first time, and what are its applications?
- 7- Is always daydreaming a positive process to be an inventor?
- 8- What does this sentence mean? "Inventors are a problem solver."
- 9- Is being stubborn helpful in the process of an invention? Why?
- 10- According to this reading, Why Bill Gates says you need confidence to achieve success?



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