原稿

Hi everyone, my name is Yosuke Higuchi.

If I were the prime minister of Japan, I would introduce programming classes to compulsory education.and Today, I would like to talk about the advantages students can attain by learning programming. Learning programming will provide students with critical thinking and logical thinking skills. Moreover, computer literacy is an important skill in digitalized society.

Let’s get started talking about critical thinking skills. In the process of coding programs, you have to figure out what to achieve and how IT can be achieved. In order to write a program successfully, you need to think a lot by yourself to find a correct logic. Students nowadays tend to MEMORIZE the process of thinking. For example, in math classes, students are taught to memorize the formulas to reach the answers. It may be inevitable for them because they have entrance exams. However, at least providing them with computer science classes, they have opportunities to develop their critical thinking skills. It is said that Japanese people lack creativity. However, by promoting students’ critical thinking skills, Japanese people may produce more innovative ideas that can influence the world.

It is kind of similar to critical thinking skills but students can develop their logical thinking skills by learning how to program. Computers can’t think or write programs by themselves. Us humans have to do them. In writing programs, you must decompose a solution for a problem and translate that to a language that computers can understand. When finding errors, you also have to think logically to find the mistakes on your program. Figuring out the cause and the effect is the most important process in logical thinking. These processes will definitely make you think logically. Some people may say that they don’t need to know programming because they will not need computer related skills in their fields or careers. However, whatever the career you want to be engaged in, logical reasoning or thinking skills are important in any fields. To success your task, you need to be able to arrange and construct a plan, and tell others your plan logically. Learning how to code is the best way for developing logical thinking skills.

And now I want to show you guys a video of President Obama talking about programming skills. It is kind of crazy to show his speech on my presentation, but please watch and listen to it. As the president Obama said “Don’t just play on your phone, program it!”, knowing computer literacy is important for success in today’s digital economy. In fact, knowing how to program will be big advantages for students in the future. As you can see in this chart, although there is the adequate number of computing jobs, the students with a degree in computer science is only 2% of all college graduate students. There is a big demand for programmers. But not all students have opportunities to learn programming. Computer science classes should be introduced to compulsory educations so that more students can learn to code and find themselves like programming.

In conclusion, I want students to learn how to code through programming classes. First, they can learn how to think critically by making them think by themselves. Second, they also can develop their logical thinking skills which will be important in the future career. Last, the number of programmers will increase and more people engage in programming jobs.