

The Improvement of the Quality of Education

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In recent years, with the remarkable progress of technology, it seems that there's a tendency to introduce those technologies into the education system. Especially this year, due to the spread of Covid-19 infection, new forms of education using the Internet and digital devices such as online lessons received public attention. Here are three forms of education that make effective use of technology.

The first is to fulfill an education that is more personalized to each student. If education using ICT equipment and digital teaching materials becomes widespread in schools and homes, data showing the degree of understanding of each student will be collected. By analyzing it, it will be possible to provide teaching materials and knowledge of the difficulty level suitable for each student. This resolves differences in academic ability and learning speed between students and enables them to acquire fundamental academic skills more efficiently.

The second is to hold social gatherings and lecture meetings both inside and outside of Japan. Online communication allows us to debate, exchange ideas, and collaborate with students from different schools in remote areas. If we communicate with students from overseas schools, we will have the opportunity to talk with foreigners of the same age that we do not usually talk to. Introducing schools to each other and discussing various themes will help us to learn foreign languages and learn about cultural differences. At online lecture meetings, even if we don't take the trouble to visit, it is also possible to listen to well-known people and outstanding researchers according to our interests. Furthermore, we can listen to lectures by foreign researchers in fields that are not well developed in Japan. If we listen to and interact with people from different positions, we may be able to abandon existing narrow senses of value and prejudices, and develop new ways of thinking and perspectives.

The third is virtual school trips. VR technology is making it possible for people to have a realistic experience, look around in a 360-degree view, and enjoy the feeling of being there, even if we can't go there. Of course, when the school trip has been canceled for a variety of reasons, this technology can also

be used in geography and history class. Perhaps it's also useful if a science experiment is too dangerous to do in the classroom.

We can effectively use technology not only to train basic academic ability, but also to improve students' ability to solve problems and their creativity, and realize a wide variety of events for that improvement. While finding solutions to health problems such as eyestrain, it would be great if we could gradually introduce it and develop a deeper education.