

Teacher's Essay



Be Ready For The Fourth Industrial Revolution Era! TOP TEN SKILLS WE NEED TO THRIVE IN 2020

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The concern of education is not only to develop students in an academic approaches, education also acts as a path for students to be able to compete in the real-world competitions. Hence, schools need to prepare students to have some skills which are required in a global competition.

The Report of Future Jobs World Economic Forum (2016) reported that there are ten skills that are required in 2015: complex problem solving, coordinating with others, people management, critical thinking, negotiation, quality control, service orientation, judgment and decision making, active listening and creativity. This rank from 2015 is predicted to change in 2020 according to the data of the same report by Future Jobs because of the needs of Fourth Industrial Revolution that will have brought us into a new modern era such as advanced technologies and robotics, advanced autonomous transport, advanced materials, biotechnology, and genomics, and also artificial intelligence, and machine learning (Gray: 2016). According to the same report, there are top ten skills that are required in 2020 such as complex problem solving, critical thinking, creativity, people management, coordinating with others, emotional intelligences, judgment and decision making, service orientation, negotiation, and cognitive flexibility. It means that two years later, the ten skills are considered important in 2020 and we have to prepare it well.

Let's focus on the following simple explanation of those 10 skills. In the tenth rank there is cognitive flexibility, it shows how quick and easy we can swing, leap and twirl back and forth between different systems of thought. Negotiation is in the ninth position. In 2020, people predicted that technical occupations will soon be expected to show greater interpersonal skills, and be able to negotiate with your colleagues, managers, clients and teams will be high up on the list of desirable skills. Next, service orientation defined as the ability to 'actively look for ways to help people'. Next the seventh rank, judgment and decision making is the ability or capacity to decide something, the thought processes used to decide and the decision outcome that comes from exercising judgment. Emotional intelligence in the sixth rank. It is 'something' that helps us to control human emotions, Bradberry explained that 'It affects how we manage behaviour, navigate social complexities, and make personal decisions that achieve positive results.' The fourth is people management. People management is about managing people within the organization for effective management of people outside of the organization. In the fifth position: coordinating with other. Coordinating with other according to the WEF report means human interaction within society or team, we play off of each other's strengths and adapt flexibly to changing circumstances, and it is such non-routine interaction that is at the heart of the human advantage over machines. Creativity will be at the top three of the world's most required skill. Having a creative mind, means having the ability to express one-self on his own self (Stenberg, 1999). Creativity is the skill that change mostly and it is predicted to be the key skill in the future. It is the ability to connect the dots with seemingly disparate information, and throw all the ideas together to present something new. In the simplest explanation, let's say that creativity is producing something different. The top 2 skill is Critical Thinking. According to the survey, Critical thinking will still be a valued skillset in the next two years because it involves being able to use logic and reasoning skill to question an issue or problem, consider various solutions to the problem, and weigh up the pros and cons of each approach. And finally, the most desired skill to have by 2020 is complex problem-solving ability. It defined by a report as the capacity to solve novel, ill-defined problems in complex, real-world settings. Therefore, parents and educator, we need to help the next generation to develop the skills required so they are able to survive well in the future.

According to the previous explanation, we must be ready to face the world change, as we know that change won't wait for us. So we need to be proactive in up-skilling and retraining people. Then, everyone can be beneficial in the future.