

The 4th Industrial Revolution Era Exploring the Future Society and New Jobs

The 4th Industrial Revolution affects not only our lives but also the world of work. Jobs that can be replaced by machine will be replaced by AI robots and automated machines, and jobs more suitable for the trends of the future society will increase. Let's look at the characteristics of the rapidly changing future society, and learn about promising occupations and majors of the future based on your children's interests.



Career Magnifier

Job trends and characteristics of the future society

In order to predict the world of work of the future, you need to know about the trends of the future society first. Shall we look at the seven representative future trends?

<p>Hyper-connectivity Superintelligence</p> <p>It is expected that advanced technology and IoT technology will further develop, leading to a hyper-connected society where "things and things", and "people and things" are connected to each other.</p>	<p>Low birthrate/ Aging population</p> <p>By 2025, the elderly population will have increased, and we will enter the super-aged society, resulting in further development of social welfare and health care fields.</p>	<p>Globalization</p> <p>Exchanges are expected to increase as the people of the world influence each other in various fields, including politics, the economy, society, and culture.</p>	<p>Resource Competition and Global Warming</p> <p>As the world seeks to prepare for increasingly severe global warming, jobs in the environmental field are expected to receive attention.</p>	<p>Advancement of Consumption</p> <p>Fields and jobs that provide better services and products are expected to increase, due to the advancement of consumption.</p>	<p>Routinization of Danger</p> <p>Jobs that are related to safety and security are expected to be created and increase in the future.</p>	<p>Era of High-Touch</p> <p>"High-touch" is a phenomenon in which people want to communicate and empathize with people and not machines. It is expected to be applied in various industries such as art, video, and entertainment.</p>
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Reference: Ministry of Education Tistory (if-blog.tistory.com/11015)



One more step to a career

Exploring promising future jobs

What kinds of jobs will attract attention and develop in the future society? Let's watch the videos below about predictions in future occupations, learn about the changes in jobs, and think about your children's interests and aptitudes in connection with future jobs.



Career Net (Career.go.kr) > Career Video > 「High School」 Future jobs that feel like and seem like mine but are not

As artificial intelligence (AI) technology develops, we may be able to have interviews using holograms, autonomous vehicles will be able to drive on the roads, and artificial intelligence doctors may perform surgeries. If autonomous driving develops further, jobs such as taxi drivers, bus drivers, and proxy drivers may disappear. On the other hand, while jobs such as movie subtitle producers have disappeared, new jobs such as media content creator, big data expert, AI engineer, drone operator, and pet behavior have been created. Let's talk about jobs that will disappear and the ones that will be created with the changes in the future society.



Career Net (career.go.kr) > Career Video > 「High School」 The changing world of jobs, to promising future jobs

Types of job changes due to the 4th Industrial Revolution

Emergence of new jobs	Intensified roles of existing jobs	Specialization and Subdivision of jobs	Convergence of existing jobs
Jobs that emerged because of new technologies such as IoT, AI, augmented reality, drones, and autonomous vehicles	The roles of IT security field, software developers, robot engineers, etc., intensify through convergence with artificial intelligence	Specialization and subdivision of jobs, such as IoT security expert, autonomous vehicle security expert, fintech security expert, etc.	Fintech, which connects IT technology with finance, and shared platforms, which converges IT technology with management and marketing



What Will Jobs in the Future look like?

In the future, jobs that will lead the 4th industrial revolution, including data analyst, drone operator, and software developer, will emerge with new promise. Let's take a look with your children at new majors and career paths that will attract attention in the future society.



Career Mentoring

Future jobs in nine themes

With the development of science and technology, the world of jobs is changing, and new jobs are being created in the fields of society, economy, and technology. Look at the Future Job Guidebook to refer to when choosing your career by classifying future jobs into nine different themes, and think with your children about what jobs they may have in the future.

Robotics	Bio-industry	Connection
Robotics engineer	Bioengineer	IoT expert
AI expert	Biopharmaceutical developer	Online reputation manager
Autonomous vehicle engineer	Bioinformatics analyst	Crowdfunding expert
Robot ethicist	Biometric expert	Big data expert

Safety	Energy	Entertainment
Information security specialist	Renewable energy expert	Drone contents expert
Digital forensic investigator	Climate response expert	Personal media content creator
Block chain expert	Smart grid engineer	Digital curator
Smart disaster management expert	Marine energy engineer	Pet training-advisor

Health	Life necessities	Design
Senior nurse	Smart clothing designer	Character designer
Healthcare consultant	Smart farm builder	UX design consultant
Old-age planner	Insect food developer-cook	Virtual reality expert
Telemedicine coordinator	Smart city expert	3D printing expert

Explore career paths for your children with the Future Job Guidebook

Theme that the child is interested in	Future jobs to consider	What to prepare	More to find out
e.g.) health	e.g.) Healthcare consultant	e.g.) Majors such as physical education, physiology, psychology, medicine, nutrition, etc.	e.g.) Customized healthcare examples, etc.

A total of 20 jobs classified under nine themes, including the jobs that will increase considering the changes in the next 10 years, new and appealing jobs in small numbers, and jobs preferred by young people.

Career Net (career.go.kr) > Career Education Materials > Bulletin Board > search 'Future Job Guidebook' > download "Future Job Guidebook" in the 4th industrial revolution era



One more step to a career

Learn about unique jobs that will attract attention in the future

Unique majors	What are they?	Who will they be good for?
Social Media Marketing	Trains experts who can identify the needs of the social media market	Children who are interested in social media and marketing, and those who want to be a marketer that creates products of their own.
Unmanned Aircraft Systems	Fosters professional manpower in autonomous vehicles, drones, and unmanned aircrafts	Those who are interested in how various machines work. Requires ability to understand knowledge regarding unmanned aircrafts.
Storytelling	Trains storytellers that can work in various cultures and media	Children who love talking about the plots of movies and dramas, and those who love to publicize stories through various media.

