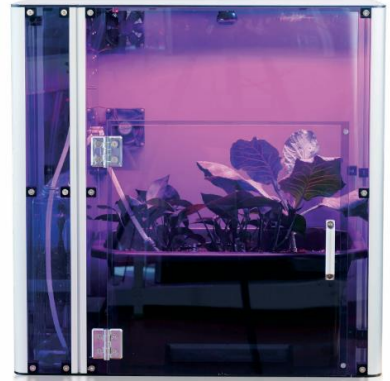# Smart
Edufarm

+
i.o.t

+
Science
Education

Light, temperature and moisture, and air are controlled at once!

Automatic temperature and moisture sensors
Create optimal environments for four seasons with an automatic temperature and moisture sensor

Camera
Observe environments for plant growth in real time

Control temperature and moisture
Fan cooler to control temperature and moisture to create optimal environments for plant growth

Automatic water supply
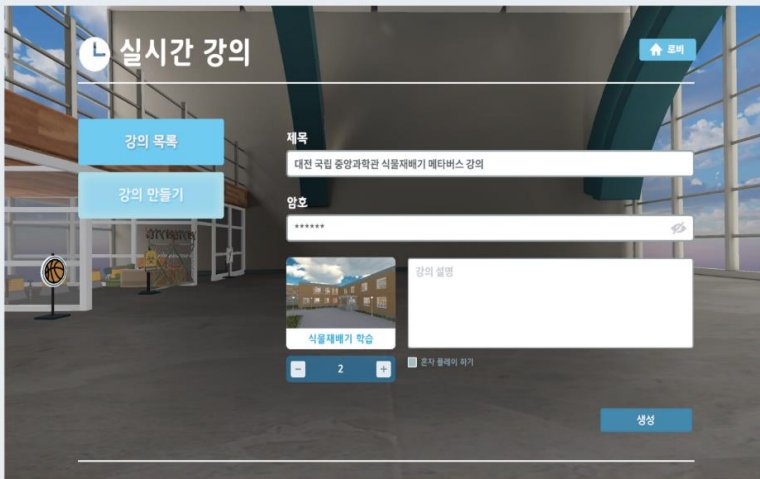Pumps and nozzles to periodically supply water

Water and nutrition supply
Supply water and nutrition suitable for plant growth

Optimized lighting supply
Create optimal environments with LED lights for plant growth
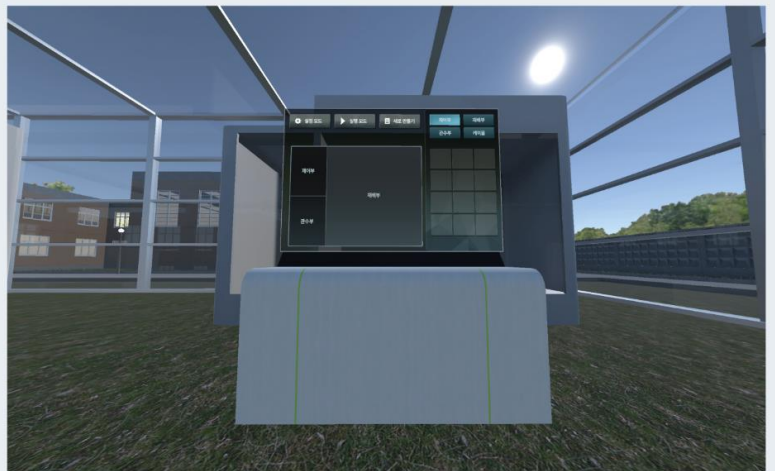

Meta-verse
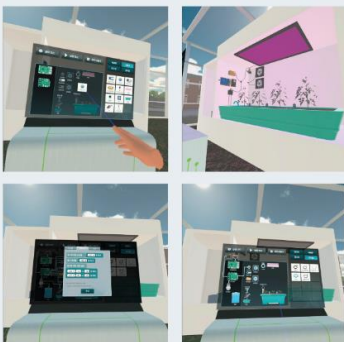Create space for education

In Virtual Reality
Assemble, Code, Simulation in virtual space!

실시간 강의 🏠 로비

강의 목록
강의 만들기

제목
대전 국립 중앙과학관 식물재배기 메타버스 강의

암호
●●●●●●

강의 설명

식물재배기 학습

－ 2 ＋

혼자 플레이 하기

생성

Circumstances fixing | Coding education

Education linking curricular programs

	Elementary school	Middle school	High school
Plant growth curriculum	**3rd to 4th grades** The life of plants **5th to 6th grades** The structure of a plant(roots, stems and leaves)	**1st to 3rd grades** The function of a plant (the movement of water and transpiration) photosynthesis and respiration	**1st to 3rd grades** The structure and function of chloroplast light reaction through relationship

	Encourage Computational Thinking		
The '2015 Revised Curriculum' by the Ministry of Education		Elementary school	Middle school	High school

The '2015 Revised Curriculum' by the Ministry of Education	Curriculum	·Practical course (5th and 6th grades) ·Software elementary education	·Information ·Understanding of software manufacturing principles	·Information, Information science ·Connection with a career, Depth studies
	Curriculum Content	·Play-based activities ·Programming experiences	·Abstraction algorithms ·Troubleshooting and programming	·Algorithms and programming ·Text-based language

The 'Designation of Research and Leading Schools for Software Education' in 2018 by the Ministry of Education and the Ministry of Science and ICT	Creative experiential learning activities (self-regulation, service and career activities), Free-learning semesters, Student clubs, After school programs							
	Elementary school		Middle school		High school		Total	
	Research schools	Leading schools	Research schools	Leading schools	Research schools	Leading schools	Research schools	Leading schools
	18	922	14	442	12	233	44	1597
	940		456		245		1641	