

What is the future of schools?

The school is the heart of the community where students prepare for life. The future society depends on current students' mindset, skills, and competencies they obtain. To develop skills for the 21st century, learning spaces need to support variable ways of learning. The world is changing fast, and our schools need to evolve with it.

5 principles of diginative school

Smart educational spaces contribute to personalization of learning and consider students' needs and motivation for learning. Modern educational space concepts rely on smart learning areas such as: interaction and presentation, exchange, development, creation-investigation and listening. These learning areas can be combined or added to, as required, and are based on the Future Classroom Lab concept by European Schoolnet.



Interaction and presentation area is for starting the day and giving instructions by teachers and for students to present projects to others.



Exchange area is mostly for group work.



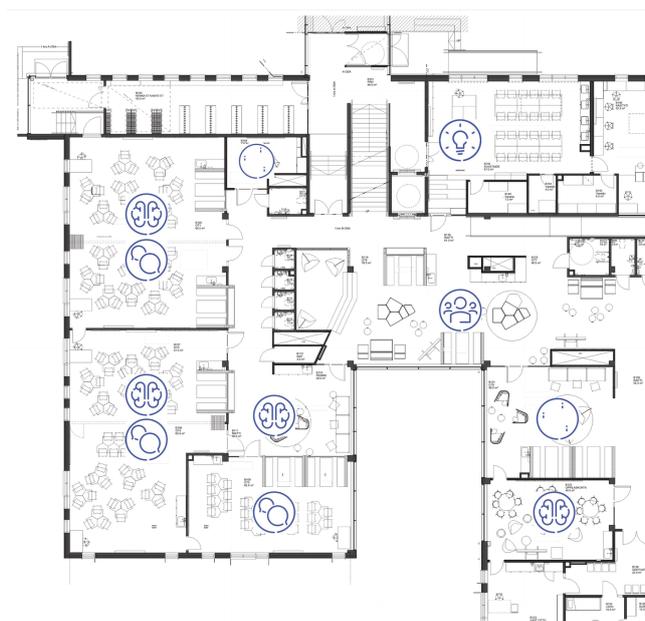
Development area is a quiet place for individual work.



Create-investigate area is for hands-on learning like building robots, etc.



Listening area is for teachers to support student mental wellbeing, to give one-on-one advice.



A modern school with its surroundings is a versatile and flexible learning environment **allowing all areas to be used for active learning** and are easily adaptable to the tasks.

One learning area proceeds seamlessly into another, and students can move easily between different areas. According to psychologists, **learning results improve when the learning environment can be changed**.

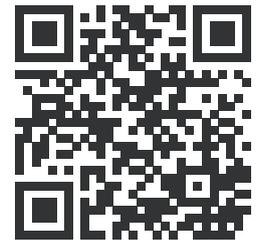
The example fragment of the smart classroom exhibited in Expo Dubai is an essential guideline for schools planning changes in the future. It gives ideas to politicians, local government leaders, heads of schools, teachers, parents and students and others about how learning spaces could be like and what to consider while planning new schools or renovating existing ones.

Estonia aims to make learning more accessible by shaping learning environments that support modern educational approaches. We are eager to share Estonia's best practices and know-how as our own education system continues to undergo transformations in learning spaces.

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Education Estonia. Smart solutions for education innovation

Education Estonia is part of the Estonian pavilion at EXPO 2020, offering a complete solution for smart classroom and possibility to connect with several EdTech solutions:



SMART CLASSROOM

- + **Kuubis** provides expert advice and design of smart classrooms and contemporary learning spaces from an international team of architects and interior architects. kuubis.com
- + **Standard** develops and produces furniture for schools of tomorrow. A small selection of this furniture is showcased at EXPO 2020 together with the smart classroom concept. standard.ee
- + **Estonian Association of Architects (EAA)** offers consultation, training and study tours on concepts of designing contemporary learning spaces and smart classrooms. arhliit.ee
- + **Tallinn University** offers consultations and seminars about active study methods to use in Smart Classrooms and Open Learning Spaces at schools and in nonformal educational settings. tlu.ee
- + **Global Virtual Solutions** provides all necessary technological services and equipment for connecting teachers, students and the content for future learning space. globalvirtualsolutions.org

EDTECH SOLUTIONS FROM ESTONIA

- + **Eliis** - kindergarten management platform for teachers, headmasters, parents, and local governments. eliis.eu
- + **Opiq** - digital learning materials. opiq.ee
- + **Mobi Lab** - augmented reality solution to assist in teaching and learning complex subjects. lab.mobi
- + **Clanbeat** - students wellbeing platform with social learner communities. clanbeat.com
- + **Speak TX** - an online platform with interactive exercises for anyone to improve their speech. speaktx.com
- + **Schoolaby** - AI-powered learning management system for online and offline education to manage learning process and content. schoolaby.com
- + **Tutor.id** - AI matching of tutors and students with a learning management system. tutor.id
- + **DreamApply** - the European leading university admissions platform. dreamapply.com
- + **CTF Tech** provides gamified and virtually attractive cyber education training, competitions and events. ctftech.com