

STEAM Turku

- Science and technology path in preschool, basic and secondary level education in Turku and Southwest Finland
- A direct route to further studies and the Turku technology campus
- STEAM comes from the words Science, Technology, Engineering, Arts and Mathematics, but let's start with steam...



TURKU

International cooperation

Cooperation with University of Strathclyde

Other international networks and projects

National cooperation

FiTech, Technology industries of Finland, other stakeholders

National development projects



- Increasing the appeal of science and technology
- A science and technology path combining early childhood, basic, and secondary education
- New digital solutions, learning contents, learning materials and learning environments
- New paths to higher education
- Creating new forms of cooperation between all levels of education, universities and companies
- Development projects (a total of 18 in September 2019)

STEAM South-West Finland

Cooperation with the Education Forum for Maritime Industry and Technology

Dissemination and productization of results

Common development projects

New forms of cooperation



TURKU

STEAM Process

Education Division

Science and technology path

Smart learning environments for the future

Worklife specialist

Preschool

- Support for new pedagogy in early childhood learning environments

Basic Education

- Open Schools for Open Societies
- My Tech -program basic education
- Become inspired and innovate
- Make It Now
- G.A. STEM

Upper Secondary Schools

- Working Life Collaboration in Upper Secondary Schools
- Spatial and Open Data
- Marine Track in Upper Secondary
- Tutorial learning environments
- TASE

VET

- Supporting Positive Structural Change through Education
- Live
- Fast Vocational Studypath to higher education
- RoboREEL

Participation

There is a personal path for every pupil, student and teacher into the world of science and technology

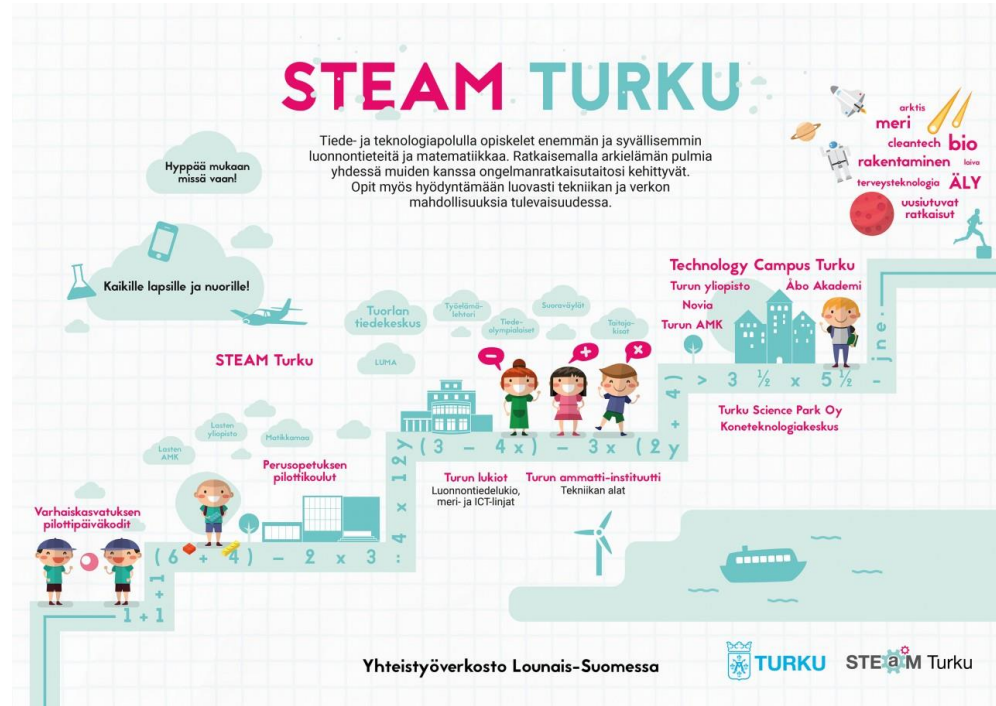
Openness

All information and practices are shared, everyone can participate in the cooperation, we are ready to learn from others

Innovativeness

We want to seek and find new solutions and opportunities, we also believe that failures are learning experiences

Path to the world of technology



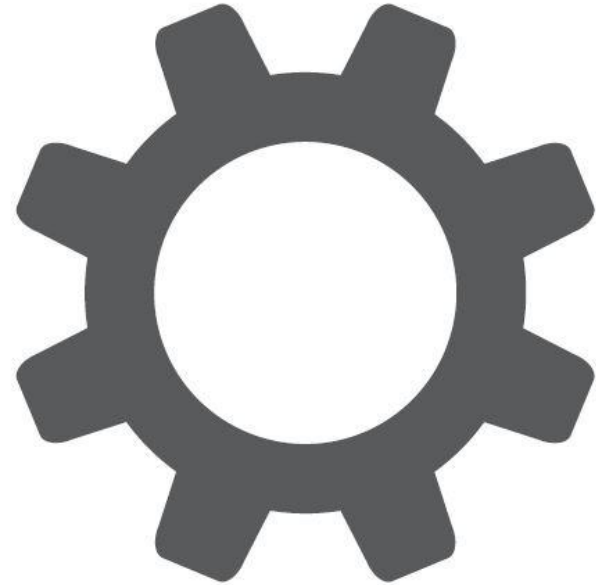
Versatile cooperation

- ⚙ Marketing the new MSIT programs of the university of Turku
- ⚙ New direct paths to university and polytechnic studies and other ways of cooperation: science pass, higher ed courses in upper secondary school, development projects and events
- ⚙ Companies and enterprises: working life agents, learning environments at companies, upper secondary working life projects, enhancement of work practice programs in basic education etc.
- ⚙ Senior lecturer of Working Life
- ⚙ STEAM Turku –network: municipalities of South-Western Finland, vocational schools, universities, polytechnics etc.

Inspiring pedagogical innovation

- ⚙ Annual programs: STEAM junior and STEAM it!
- ⚙ Summer school – university cooperation
- ⚙ New learning environments: AR/ VR, Tuomo learning environment for mathematics
- ⚙ New STEAM courses for upper secondary and basic education: e.g. nanocellulose, marine physics, cyber security, "wild ideas" with dept of Future Technologies
- ⚙ MyTech program - cooperation with Technology Industries of Finland







Summer school

Program:

Mon 10.6. University of Turku: coding and genetics

Tue 11.6. Botanical gardens & Tuorla Science Center (UTU): plant studies & Kitsat satellites

Wed 12.6. Machine Technology Centre and UTU: robotics & health technology



Events & training

- ⚙️ Girls and Technology
- ⚙️ The 2019 Congress of the European Society for Evolutionary Biology
- ⚙️ Workshops: Frogs, water studies, electricity etc.
- ⚙️ Movie industry and teaching



Thank You!