

NOVEL WAYS TO PROMOTE SCIENCE, TECHNOLOGY AND MATHEMATICS EDUCATION THROUGH



LUMA CENTRE FINLAND

<https://start.luma.fi/en/>



Better future – working life – science – technology – art

WHAT IS START?

Community for collaborative interdisciplinary learning

- Support for teachers
- Students carry out their own projects in teams
- 3-19 y.o. → schools, kindergartens, extracurricular activity groups, families





AIMS OF START

- Bring STEM closer to children and youngsters
- Support for the implementation of the national core curriculum
 - Sharing teaching practices, events, MOOCs, trainings, StarT ambassadors, tools, materials..
- Collaboration:
 - Between learning communities and other actors, experts, companies, universities...



LEARNING IS SHARING



- A pivotal part of StarT is bringing work out of classrooms and sharing it
 - Everyone can benefit from the educational practices of high standard
 - Students get several platforms where they can present their work and be the experts





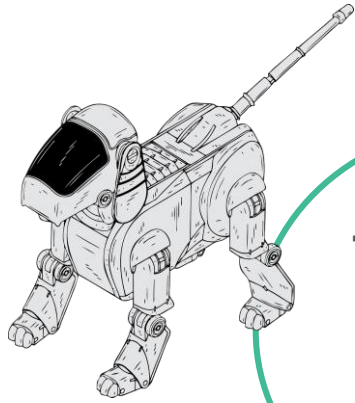
HAS TWO CATEGORIES

1) **Projects** by students

2) **Best educational practices** by teachers

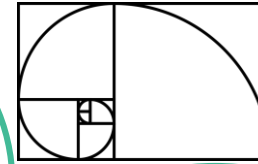


Photo: Tuuli Holttinen / Julia Uusoksa.



**This works!
Mobile toys
(6-12 year-
olds)**

**Mathematics
around us**



**Nature and
environment**



**Well-being
(health, food,
exercise)**



Themes

**Technology
around us**



**Home, culture
and
internationality**



**Stars and
space**





START IN NUMBERS



LUMA CENTRE FINLAND

2017–18:

- 5000 children and youth
- Nearly 1000 teachers
- 500 projects
- 100 shared educational practices
- 10 science & technology festivals
- Over 40 countries since 2016



LUMA CENTRE FINLAND

THE START PROCESS

**Project-
based
learning**

September - January

**StarT
Days &
StarT
Festivals**

**Global
reporting
of projects
and
educational
practices**

February

**International
public voting**

March-April

**International
Start jury:
assessment**

**StarT
Gala**

June

**Sharing
ideas
through
material
banks and
project
videos**



Organized by

LUMA CENTRE FINLAND

= a network of 11 Finnish
science and technology
universities

<https://www.luma.fi/en/>



... AND OUR COOPERATION PARTNERS

- Industry, education and government organizations
 - Annually 50-60 partners
 - Key partners: *Economic Information Office* and *Technology Industries of Finland*
 - President of Finland official patron 2016-17





HEUREKA

Kuntaliitto
Kommunförbundet

FB SUOMEN BIOTEOLLISUUS
FINNISH BIOINDUSTRIES

M MUOVITEOLLISUUS RY
Finnish Plastics Industries Federation

OAJ



BMOL ry



HARVIA



storaenso

JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ



Vaasan yliopisto
UNIVERSITY OF VAASA

KEMIAN TEOLLISUUS

LÄHITAPIOLA
KESKI-SUOMI



KESKIMAA VAISALA



Lahden Yliopistokampus



TEKNIKAN
MUSEO

!INNOKAS



OPETUSHALLITUS
UTBILDNINGSTYRELSEN

TEK TEKNIKAN
AKATEEMISET

Teknologioteollisuus

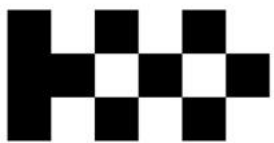
TAMPEREEN YLIOPISTO



HELSINGIN YLIOPISTO



SUOMALAINEN TIEDEAKATEMIA
FINNISH ACADEMY OF SCIENCE AND LETTERS
ACADEMIA SCIENTIARUM FENNICA



Teknologioteollisuuden
100-vuotissäätiö

Innokas!

Tilastokeskus



EdVisto
LEARNING THROUGH STORIES

VAPRIIKKI

Opinkirjo

TAMK TAMPEREEN
AMMATTIKORKEAKOULU



PROFESSORILIITTO
PROFESSORFÖRBUNDET
FINNISH UNION OF UNIVERSITY PROFESSORS

LUOMUS
LUONNONTIETEELLINEN KESKUSMUSEO
NATURHISTORISKA CENTRALMUSEET
FINNISH MUSEUM OF NATURAL HISTORY



Turun yliopisto
University of Turku

TAMPEREEN TEKNILLINEN YLIOPISTO

Fat Tail Productions



We ARE
INWIDO

ABLOY®

tiivi Pihla KLASI

Metrohm

MAOL

**LUMA-KESKUS SUOMI
LUMA-CENTER FINLAND
LUMA CENTRE FINLAND**



THE GLOBE PROGRAM

ABB

MAL

• Assistance in...

- Communication and marketing
- Awards and StarT jury
- StarT ambassadors
- Tools, materials, trainings and workshops for teachers
- Inspiring youth to careers in STEM fields, e.g. STEM career exhibitions at the StarT events



IPN2018

HOUSTON, TEXAS



**Europe's best
STEM education
and working life
collaboration**

Sign up now!

Contact us:

info@start.luma.fi



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