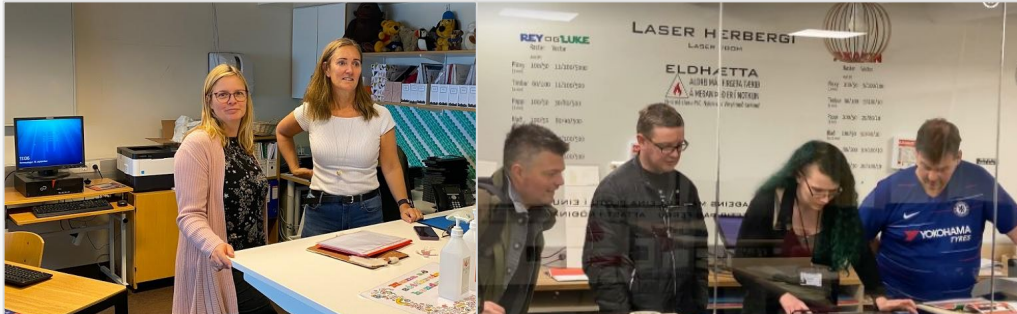


# Digital Learning and Teaching in Education and Youth Programs

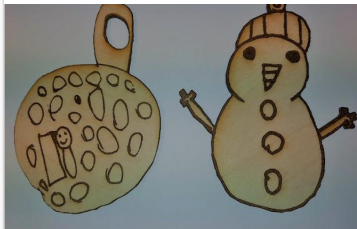
*Mixtúra: Center for Creativity and Educational Technology*



# Innovation and Creativity



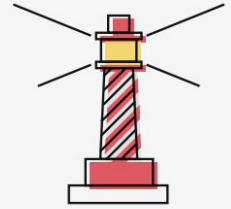
**What will your student say  
after 20 years about their education?**



# The Reykjavík Education Policy

## - Digital technology

- Digital technology is used in schools and leisure activities to enrich learning and offer children **diverse opportunities for creativity and expression**
- The Reykjavík Education Policy builds on previous successes of the city's school and leisure activities, while also **welcoming the future with open arms** by paving the way for new technology, knowledge, ideas, and diversity
- The city's schools and leisure work is led by **progressive employees** who **reflect on their practices**, **work together towards shared goals**, and who **strive to integrate new methods and work practices**



### LEIÐARLJÓS

---

Children as active participants



### LEIÐARLJÓS

---

Professionalism and cooperation at the forefront



## Mixtúra: Center for Creativity and Educational Technology



**Alexía Rós Gylfadóttir - Creative Technology**

**Bjarndís Fjóra Jónsdóttir - Digital Learning and Teaching**

**Erla Stefánsdóttir - Digital Media**

**Hildur Rudolfsdóttir - Digital Innovation**

**Hildur Ásta Viggósdóttir - Digital Learning and Teaching**

**Kaśka Paluch - Digital Media**

**Þorbjörg St. Þorsteinsdóttir - Creative Technology and Innovation**

# Professional Development





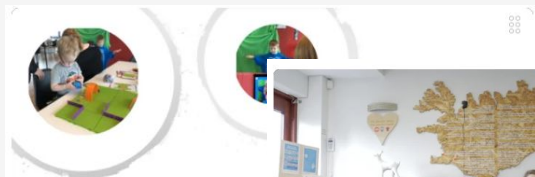
# Professional Development



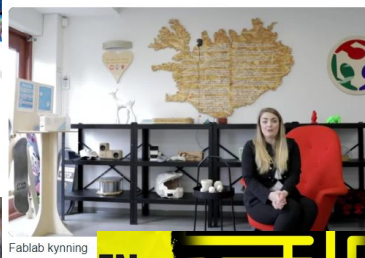
# An image says more...



Íslenska skólakerfið - íslenska  
Mixtúra Skóla- og frístundasvið



Próunarstarf og tæknikistur leikskóla



Fablab kynning



3:3

Arpa Þorvaldsdóttir



Búkolla

Mixtúra Skóla- og frístundasvið



HVAD VILTU VITA?  
VÍKA SEX



Leisögnarnám - Þórunn Elidóttir  
Mixtúra Skóla- og frístundasvið



Nanna Hlíf Ingvaldsson  
Tónmenntakennari í Laðakotsskóla

Vikivaki

Mixtúra Skóla- og frístundasvið



EN EG VAR EINN



SJÁLFSMYND

Þín bíða meira en **100** frábær erindi á  
menntastefnumot.velkomin.is

Öll erindi verða opin út árið 2021

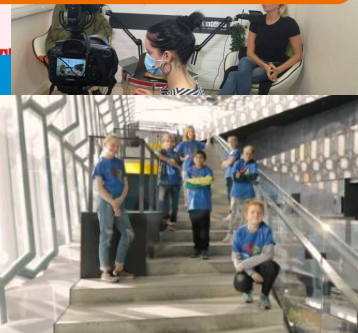


**MENNTA  
STEFNU  
MÓT 10.05.2021**



Social Innovation Action Lab  
held in Garðaborg  
the 27th and the 28th of November

Social Innovation Action Lab  
Mixtúra Skóla- og frístundasvið



# 1:1 Device per Student



Chromebook



iPad





# Diverse and Creative Ways of Learning

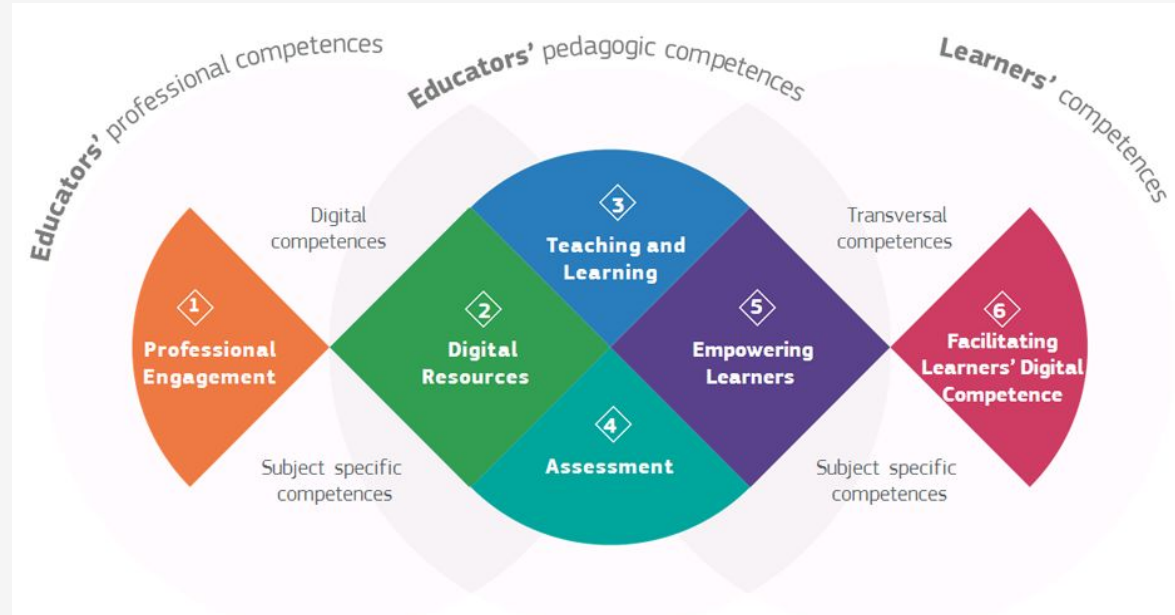
Digital technology and 1:1 device per student open up multiple ways to hand in work in more creative and diverse ways than before.



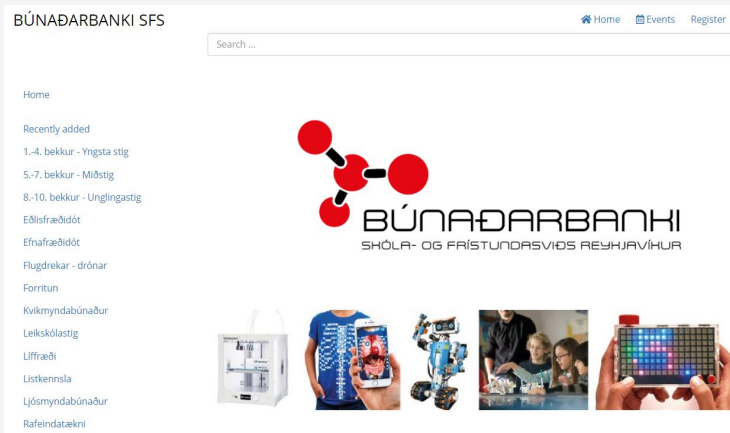
# The European Framework for the Digital Competence of Educators (DigCompEdu)

DigCompEdu is a framework describing what it means for educators to be digitally competent.

It provides a general reference frame to support the development of educator-specific digital competences in Europe.



# The Educational Technology Tool Library



Technology tools related to  
creativity, learning and teaching.  
Two weeks, no charge.



# Learning Through Active Participation and Playing

Fisher-Price - Liðuga lirlan



Bláskjár - litla gólfvémennið



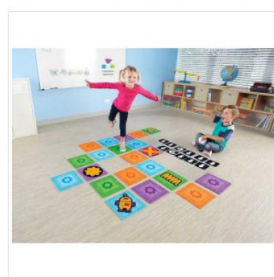
Forritunarmúsín Jack og fylgihlutur



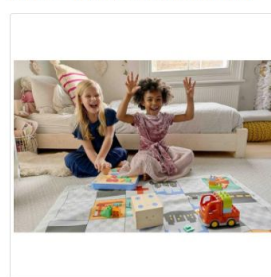
Róbótarnir Punktur og Strik ásamt fylgihlutum



Lærum forritun án tölvubúnaðar



Primo - vélmennið Kubbur litil



OZOBOT Evo smá-vélmennin



ROBO Wunderkind vélmenni



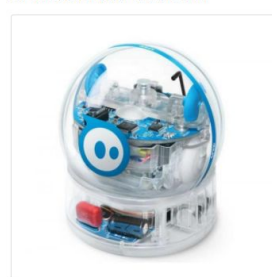
Osmo forritun



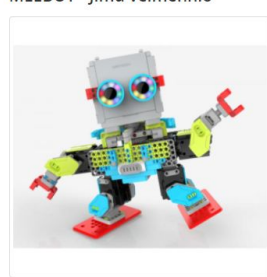
OSMO Tónlist, spuni og forritun



SPHERO SPRK+ eða BOLT



MEEBOT - Jimu vélmennið



KANO - Pixlatólvan



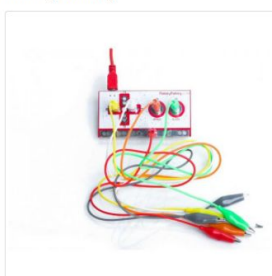
littleBits - forritunarsett



Tölvuleikja Forritunarspjald



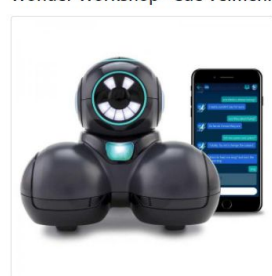
Makey Makey



Piper tölvukittið - byggðu tölvu

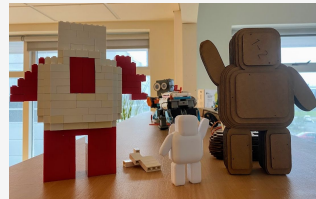


Wonder Workshop - Cue Vélmennið





# Makerspace

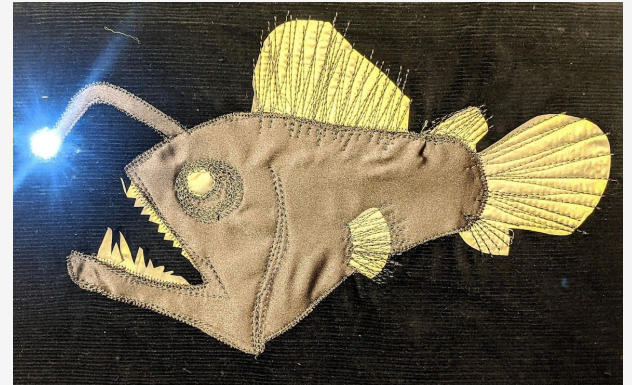
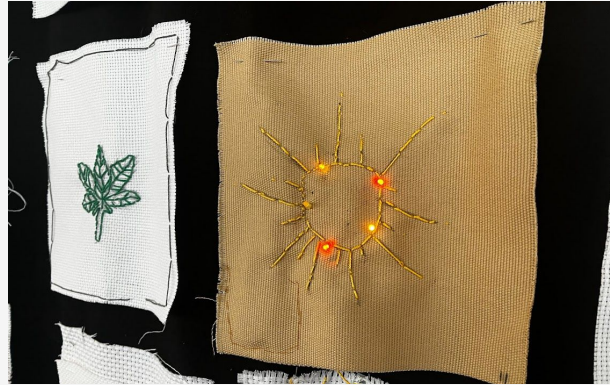
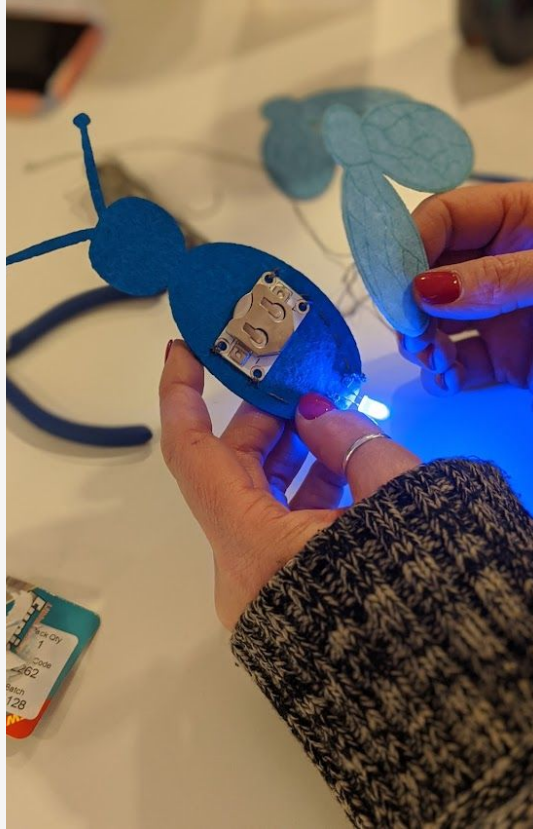




# Makerspace on Wheels - Pilot Project



# Circuits and Textile





## Maker's Redbox



Superheroes –  
Digital  
Storytelling



Green  
Engineers



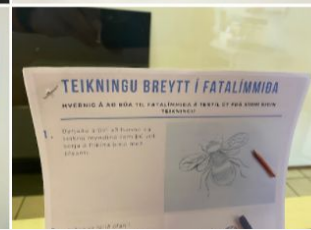
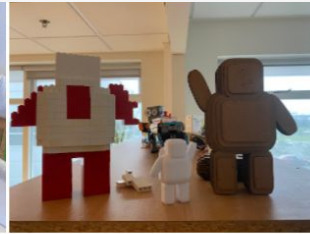
City of the  
Future

- ✓ Teacher's guide
- ✓ Structured guide for 16 maker occasions
- ✓ Online video tutorial for each lesson
- ✓ Classroom presentations
- ✓ Program codes
- ✓ Digital object designs (STL, CAD)
- ✓ Competency guide
- ✓ Soldering guide
- ✓ Micro:bit workbook
- ✓ Sample kit
- ✓ Supplements for 12 students (additional supplements available)
- ✓ Support: webinars and hotline





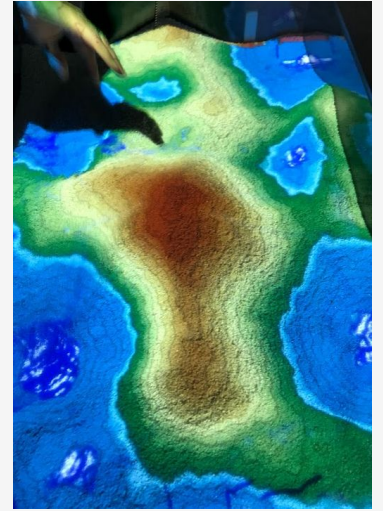
# Ideas and Inspiration





## Music, Podcast, VR and AR

# Sandbox - Augmented Reality



# LEGO Education



Mindstorm, Wedo, Spike ...

# Instagram

## Mixtúru

[mixtura\\_reykjavik](https://www.instagram.com/mixtura_reykjavik)

