

# 'STEM FOR GIRLS'

ŻMIGRÓD, 24-26.07.23

A HALF TIME SUMMER CAMP FOR GIRLS IN  
SCIENCE, TECHNOLOGY, ENGINEERING AND  
MATHEMATICS

Why?



because girls still need to feel and embrace  
that technology and digital sector is for them  
to empower them and to broaden their  
thinking



to inspire them for a better life



to fill in a labour gap in the IT market

the camp gathered 8 young females in the age 8 - 11  
coming from Żmigród and the neighbourhoods



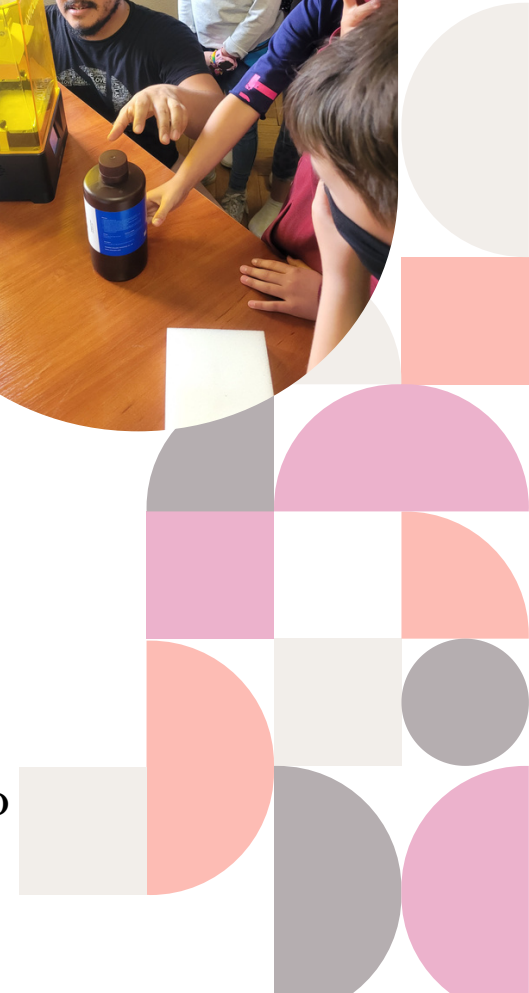
## What we did?

3 D printing

disassembled hardware (laptops,  
keyboards, oud speaker, PC)

Lucy - opened a toy to see what  
electronics is inside

assembled and prgrammed own  
"Barbie komputerek" using Arduino  
Uno and Arduino IDE



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Disassembling hardware

absolute focus



Joy



Destruction!

...and creation!



Pure Play!





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this rose here is a thank  
you from the  
participants on the day 3



3D printing



how printing works

354 out of 1841 layers



removing unconsolidated resin with 99% of alkohol



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Meet Lucy :)

an electronic pinky and fluffy toy.  
Lucy walks and barks.



But what is inside... ?

It was not easy to open Lucy-  
girls were very protective!

... but then, they played with bateries, connecting  
cables and 'speeding up' Lucy's behaviours :D



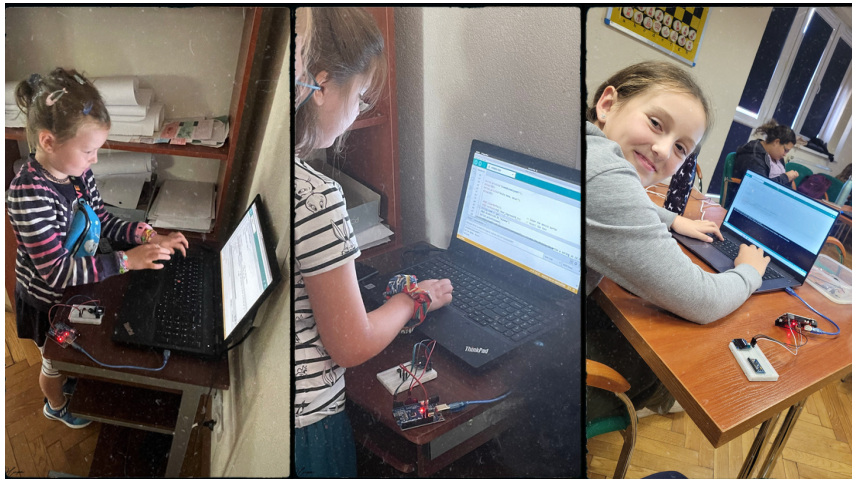
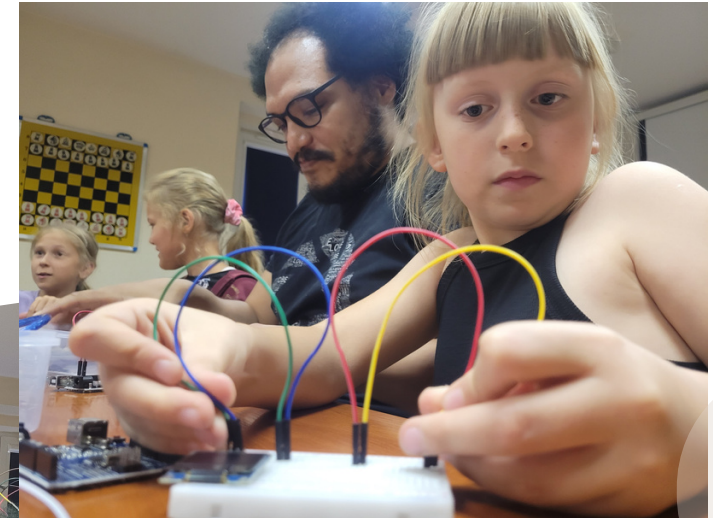
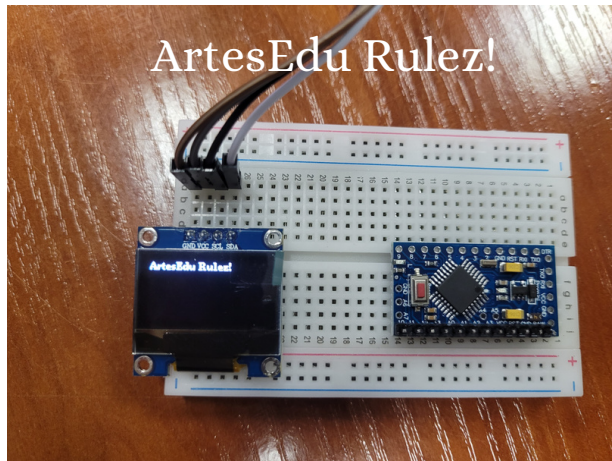


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## 'Barbie komputerek'

we built our own (individual) computer  
from arduino uno bread board,  
colourful cables, display and battery



Cables in the shape of heart?

No problem!

We had bracelets too and  
new hair styles!



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## We managed to sparkle

Dedication

Determination

Destruction mode :D

Joy

Engagement

Curocity



Playfulness

Fun in STEM



Creation

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We did all this because we believe that



quality education matters

equal opportunities for  
girls matter

because we want our daughters to have full  
access to equal opportunities in professional  
development

**Santiago Zarate, workshop keeper**

'MY DAUGHTER WAS CHECKING NASA JOB  
OPPORTUNITIES AFTER THE CAMP.  
THANK YOU!'

ANNA SKOCZ, PRESIDENT OF ARTES EDU FOUNDATION,  
MOTHER OF SOFIA, PARTICIPANT

