



# CRISS experiences from Croatia primary & secondary schools

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# Contents

- Croatian educational system
- Experiences from secondary school
- Experiences from primary school
  - Examples of good practice
  - Magellan testing
  - Challenges
  - Lessons learnt



## Croatian educational system

- **Primary school** - 8 years (6/7 - 14/15)  
two levels:
  - first four grades (1-4), one teacher (a home teacher)
  - second four grades (5-8), subject teachers
- **Secondary education** - 3 or 4 years
  - grammar schools
  - vocational schools

## Administrative school Zagreb (secondary school)

**CRISS**

Certification of digital  
competences in Primary  
and Secondary Schools



- 6 teachers and 135 students were involved in project CRISS
- Groups of **teachers worked together**
- Out of 135 registered students 133 got certificates for the minimum of one sub-competence
- **43 students got full certificate**
- 10 scenarios in one school year

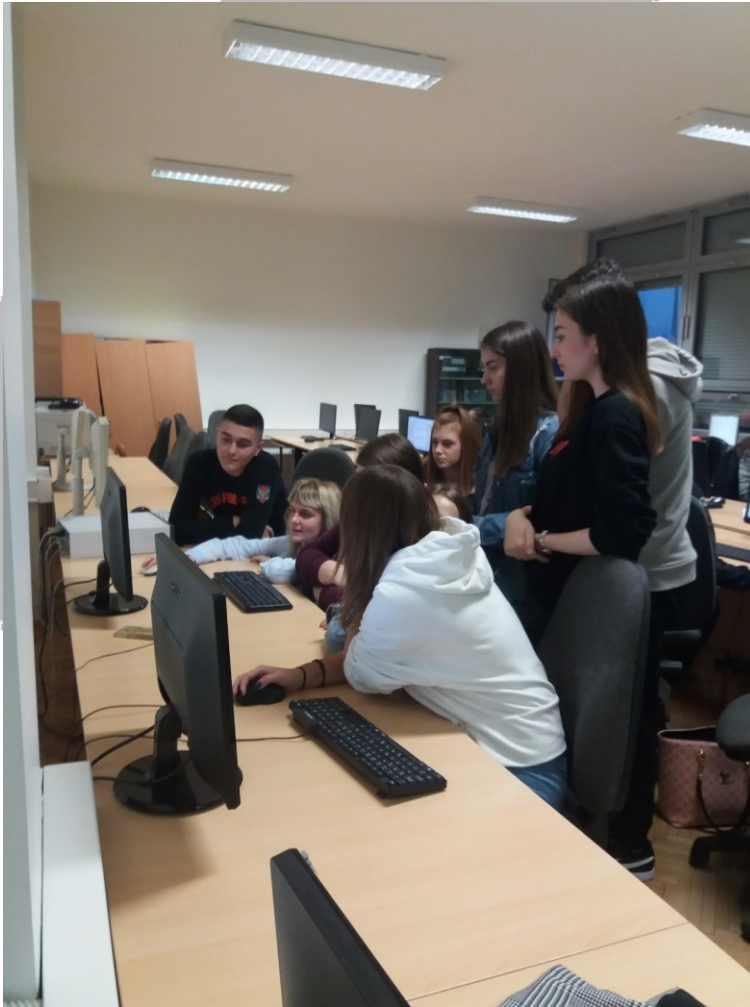


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No 732489*

# Secondary students using platform...

# CRISS

Certification of digital  
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## ...and creating their stories and evidence



Assigned to the task



Task: 1.2 Alisa je pronašla svoju rutu

Indicator: 1.3.2.1 SECONDARY

Adequacy of the use of digital  
technologies to match personal needs.



Indicator: 1.3.2.2 SECONDARY

Autonomous use of digital technologies.



Indicator: 4.1.2.1 SECONDARY

Appropriate use of spreadsheet to format  
and calculate data.



Indicator: 4.1.2.4 SECONDARY





Relevance of the data and graphs selected  
according to objectives.



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## Students' work on scenarios

WebCam	web kamera	kamera koja omogućuje osobama da nas vide i olakšavaju komunikaciju, npr. video pozivi itd.	
Personal Data	osobni podaci	ime, prezime, adresa, broj mobitela, ...	
Legal ownership	legalno vlasništvo	ono što pripada nama i naše je osobno vlasništvo te imamo sva prava na to	
Privacy	privatnost	moгуćnost da određene informacije držimo za sebe bez da ih drugi vide	

\$94<sup>22</sup>

+

\$93<sup>80</sup>

(taxes) =

\$188<sup>02</sup>

As low as \$34/month

ⓘ

Avg. price per person (Bonus applied)

ⓘ

SELECT >

	KLM	08:20am Mon, Mar 04	Zagreb (ZAG)	Nonstop
	Flight 3080 <a href="#">320 more</a>	10:30am Mon, Mar 04	Amsterdam (AMS)	Coach - Economy Light One
⌚ Layover: 11h 10m (Long connection)				
	KLM	09:40pm Mon, Mar 04	Amsterdam (AMS)	Nonstop
	Flight 1733 <a href="#">E90 more</a>	10:30pm Mon, Mar 04	Brussels (BRU)	Coach - Economy Light One
⌚ Total trip duration: 14h 10m (Flight: 3h 00m)				
<div> <div>* Flight 3080 operated by Croatia Airlines</div> <div>* Flight 1733 operated by KLM CITYHOPPER</div> </div> <div> <a href="#">Select this Departure</a> </div>				

Do aerodroma ću doći s taxijem, koji iznosi 230, 82 kn.



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# MAGELLAN TESTING



## Magellan testing

- What is Magellan
- Students' age: 16
- Level: Intermediate
- Students Work:
  - Draw floor plan in PowerPoint
  - Used pin image for two rooms
  - Created two rooms with 360 images
  - Connected all modules and entities



# Example of students' work

PROJECT

Search...

Simulation

Image360\_Stage01

Window

Image360\_View01

Button01

View3D

\_60\_1\_

MODULES

Fullscreen modules

floor 2

Soba25

Soba26

Create Group

LIBRARY

Modules

3D Entities

3D Animations

Geo Entities

3D Models

UI Entities

Devices

2D Text

2D Image

Button

Frame

Text block

2D Video

Sound

PDF Document

Web Page

SELECTION

Button01

GENERAL

Text

Back

Visible

Font SETTINGS

Font

Helvetica

Font Size

14

Color

#ffffff

POSITION

PLACEMENT

Alignments

Size (Px)

100

50

Pos... ( % )

0

0

Depth

0

CUSTOM ATTRIBUTES

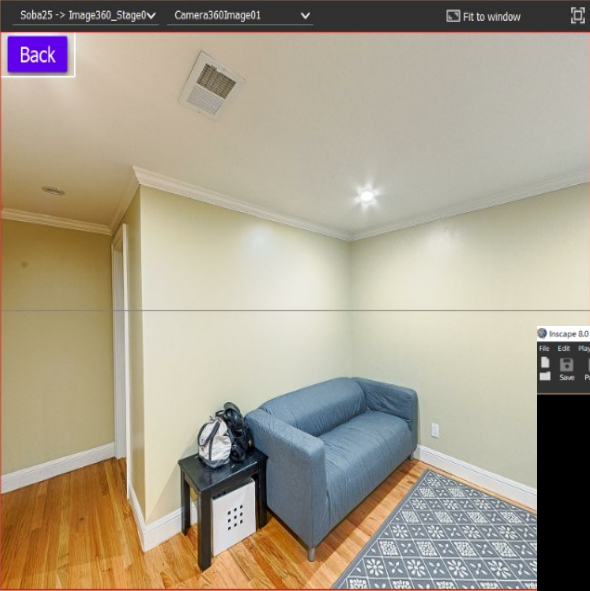
There is no custom attribute defined for this object

Soba25 -> Image360\_Stage01

Camera360Image01

Fit to window

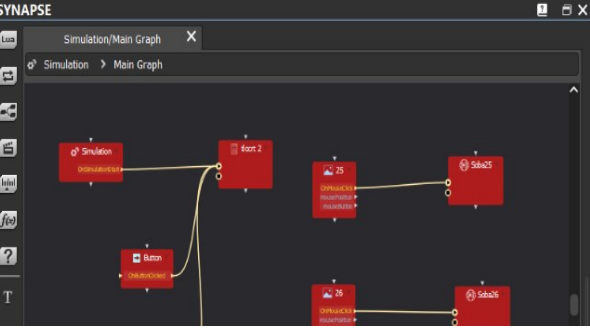
Back



SYNAPSE

Simulation/Main Graph

Simulation > Main Graph

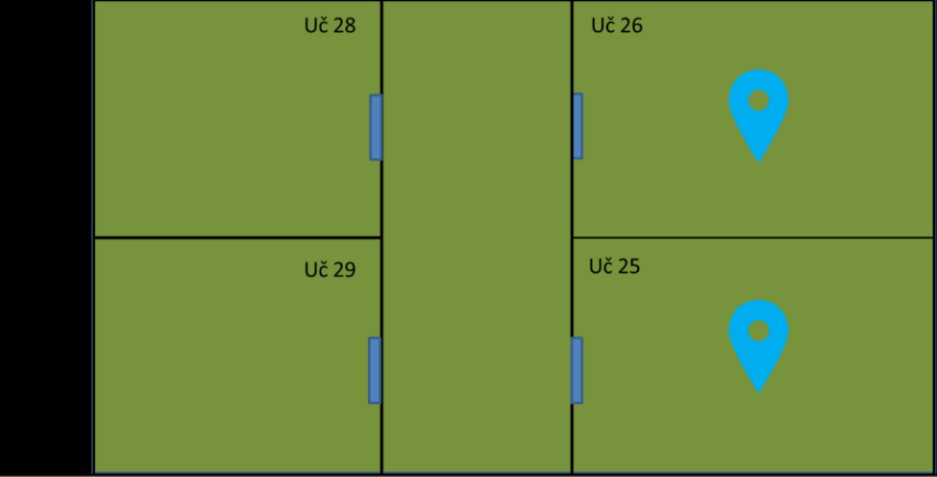


Uč 28

Uč 26

Uč 29

Uč 25





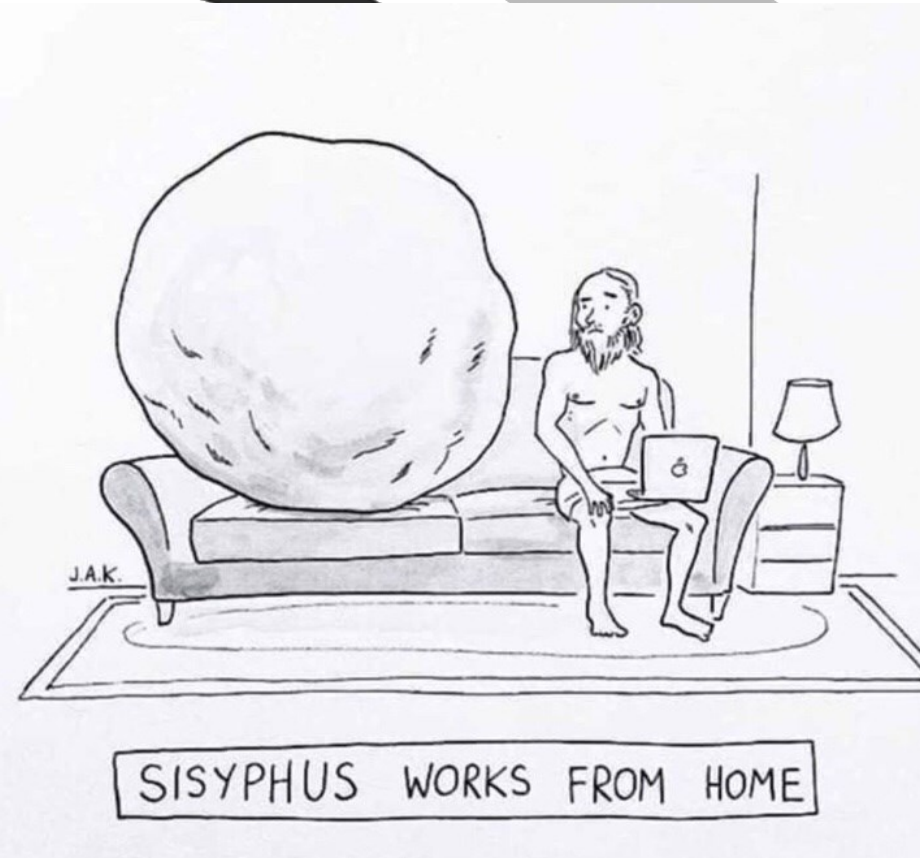
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# Challenges and Solutions

## Time consuming

- Hard to meet the deadlines
- Teacher workload
  - Solution:
    - Students working from home
    - Teachers working from home





# PRIMARY SCHOOL IVO ANDRIĆ ZAGREB



## Primary School Ivo Andrić, Zagreb

- Marina Vukančić, a Math teacher, 19 years of experience, hobby - running half-marathons
- CRISS - 6 teachers and 170 students participated
- Out of 170 registered students, 138 got certificates for at least one sub-competence





7th AND 8th GRADERS

## 7th & 8th grade students (13-14 year old students)

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- the seventh-grade: Portability, mind-maps, open mail, Google Drive, they created presentations, videos...
- the eighth-grade: the adaptation of the Oliver Twist scenario (History) and I created the Pythagorean Theorem (Maths)

# What students have done...

## Dan broja $\pi$ (3,14)

# SILICIJ

Silicij se nalazi na 3. periodu i 14. skupini

Silicij je najzastupljeniji element u zemljinoj kori, čini oko 28% njezine mase. Nalazi se u mnogim mineralima, kao što su kvarc i silikati.

Silicij je važan element i za ljude, jer je dio kostiju i zubi. Također, koristi se u poljoprivredi i industriji.

**PERIODNI SUSTAV ELEMENTA**

**SILICIJ U HRANI**

**Si**  
SILICIJ  
28,09

periodni broj  
simbol  
relativna atomska masa

Si

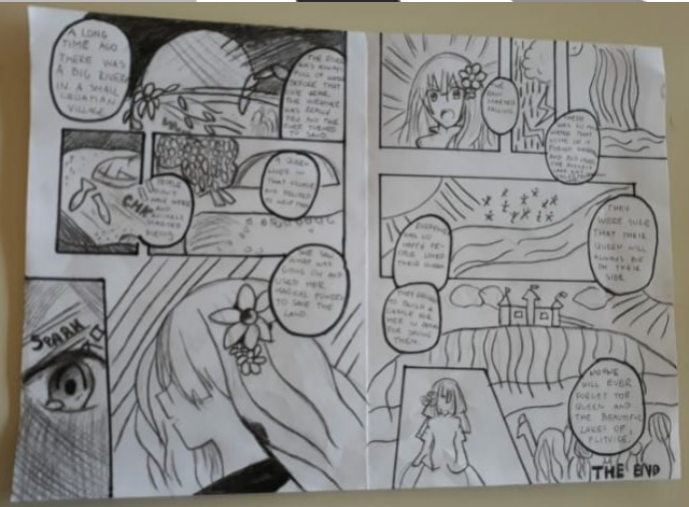
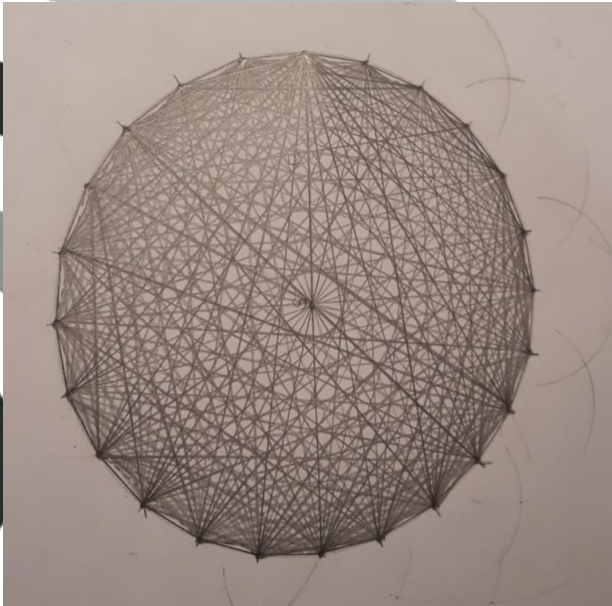
PERIODNI SUSTAV ELEMENTA

SILICIJ U HRANI

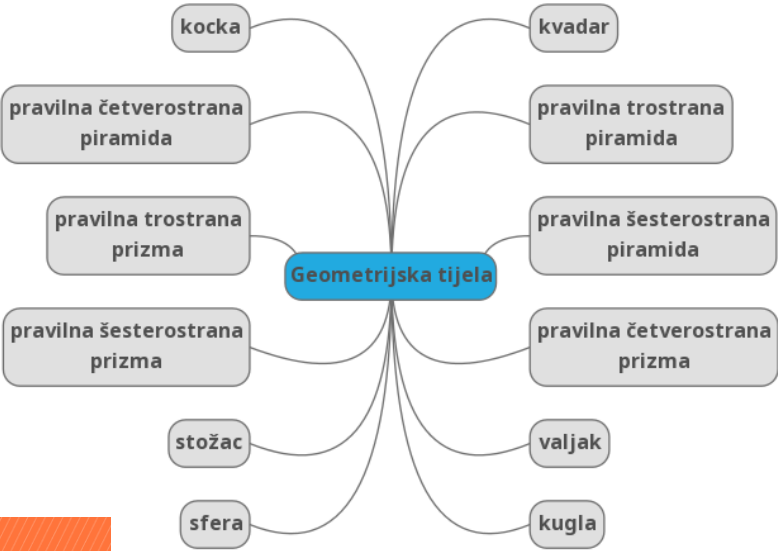
Si

PERIODNI SUSTAV ELEMENTA

SILICIJ U HRANI



# What students have done...





4th GRADERS



## 4th-grade students

- The greatest challenge: in Croatia, students take computer science subject in the fifth grade for the first time.
- Simple and basic things: how to open email, Google Drive, putting pictures on the platform, creating presentations and posters.

# 4th-grade students

# CRISS

Certification of digital  
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and Secondary Schools





# MAGELLAN TESTING



## Magellan testing

- Student age: 11 (5th grade this year, 4th graders from the last year)
- Level: First steps
- Students Work:
  - insert images and text
  - connect all buttons
  - finalize presentations



# Example of students work

MODULES

Fullscreen modules

Jurgen Kloop

Postava Liverpoola

Grb Liverpoola

UEFA

Liverpool

Create Group

LIBRARY

Modules

Illustrated Text Choice Screen

Sound Player

Video Player

Simulation/Main Graph

Simulation > Main Graph

No Stage

No camera

Fit to window

UEFA

Jurgen Kloop

Postava Liverpoola

Grb Liverpoola

SELECTION

Glavni grad

GENERAL

Background... #ffffff

TITLE

Text Grad Zagreb

Size 18

Color #00557f

PICTURE

File name Slika grb.png

Picture hel... 50

DESCRIPTION

Text Grad Zagreb je glavni grad Hrvatske.

Size 12

Color #000000

BUTTONS

Left butto... Back

Right butt... Next

Buttons c... #42a5f5

CUSTOM ATTRIBUTES

There is no custom attribute defined for this object

View documentation

MODULES

Fullscreen modules

Grad Zagreb

Glavni grad

Katedrala

Glavni trg

Dinamo

Create Group

LIBRARY

Modules

Illustrated Text Choice Screen

Sound Player

Video Player

Simulation/Main Graph

Simulation > Main Graph

No Stage

No camera

Fit to window

Grad Zagreb

Grad Zagreb je glavni grad Hrvatske.

Back

Next



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# LESSONS LEARNT



## Lessons learnt

- Possibility for teachers to create their own scenarios
- Acquiring digital competences through whole primary or secondary education (not one year)
- Possibility for teachers to select indicators for certain tasks or scenarios
- More time to work on platform, one school year isn't enough to go through all scenarios





*Thank you for your attention*