Virtual School

Unesco Con-E-Ect

Enhancing education with Augmented Reality

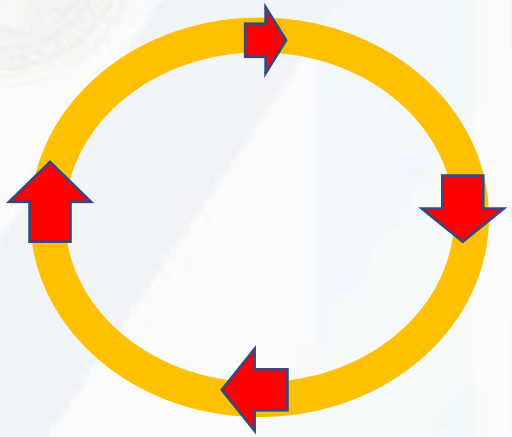
Advanced Educational Technologies and Mobile Applications Lab (AETMA Lab)

International Hellenic University

Virtual School

In cooperation with

AETMA Lab



Unesco Con-E-Ect

MSc
"Analysis and Management of Natural
& Manmade Disasters & Technological Risks"

Virtual School

The initiative started by

Advanced Educational Technologies and Mobile Applications Lab (AETMA Lab)

People behind Virtual School

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Virtual School

The project was inspired by the tragedy in Mati Athens, Greece

(Disastrous fire on the 23 July 2018, were 96 people died, and some of them **were children**)

Virtual School

Vasiliki Sofia

- **Every life values**

- Raise Students awareness on Natural Disaster Management
- Make use of high end technology to achieve the goals
- Make technology free for Schools

VIRTUAL SCHOOL project

Main Objectives

The objectives of the program in 2019:

Create a pilot network of 10 Pioneer Schools (emphasis on the isolated and remote Schools in Greece and Cyprus)

Set up a three-dimensional School Model (ready-made designs) as students' project

The use of Augmented Reality for the diagnosis of Natural Disasters (i.e Flood, Fire, etc)

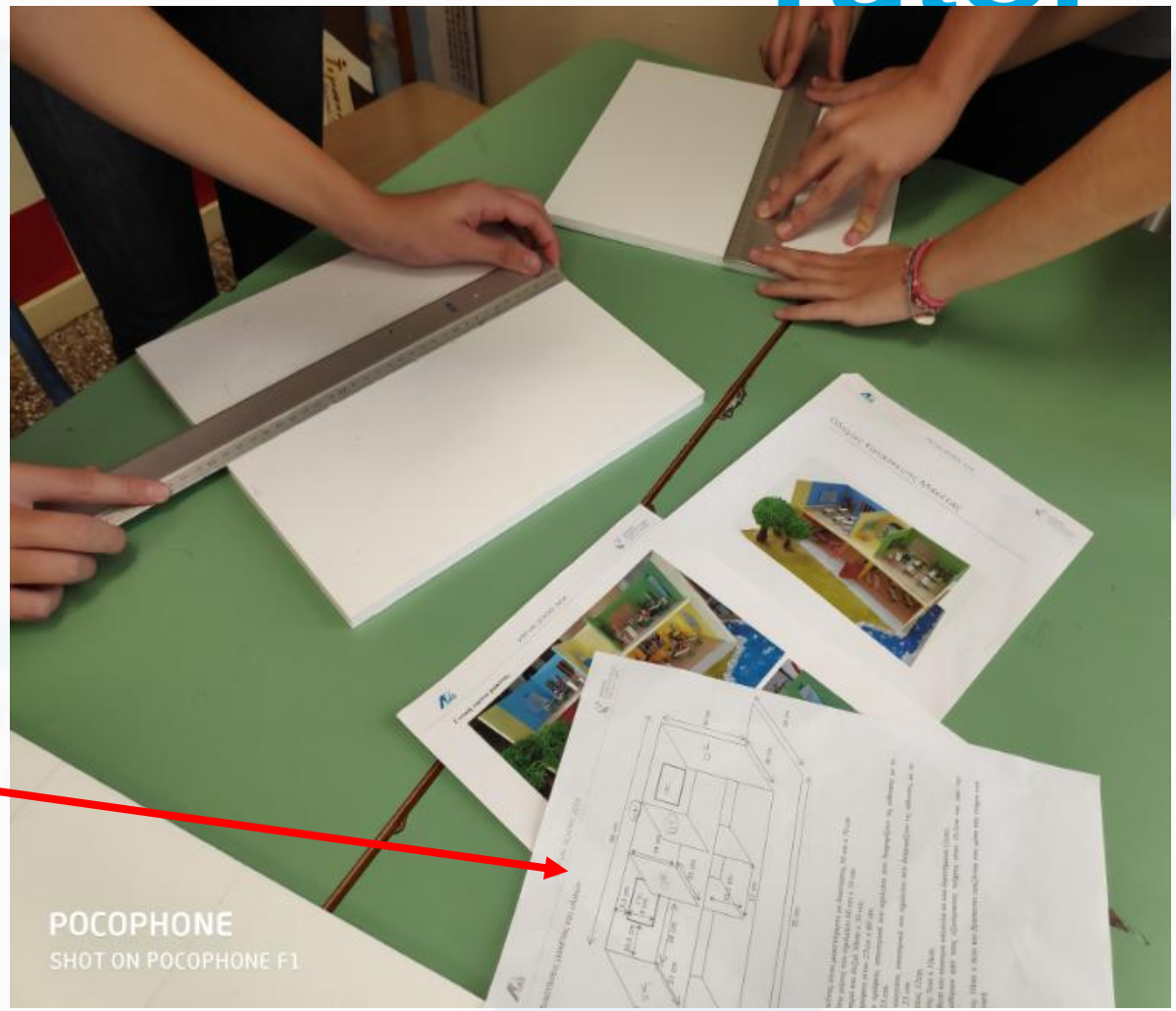
VIRTUAL SCHOOL project

Main Objectives

Recognizing good practices to deal with Natural Disasters & the use of 3 Digit Numbers

VIRTUAL SCHOOL project

Educational material and instructions to teachers and students are distributed freely from the AETMA Lab to the Schools



The required infrastructure on behalf of the school is:

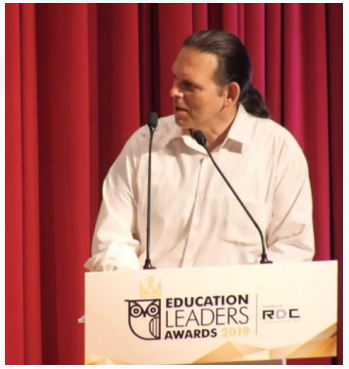
1. **A computer with an Internet connection**
2. **A printer (monochrome or colour)**
3. **A mobile device (tablet or Smartphone)**

Software behind VSchool

ARTutor

UNESCO –Greece Nominated Platform
(November 2018)

GOLDEN PRICE May 2019



VIRTUAL SCHOOL project
Pedagogy of V School

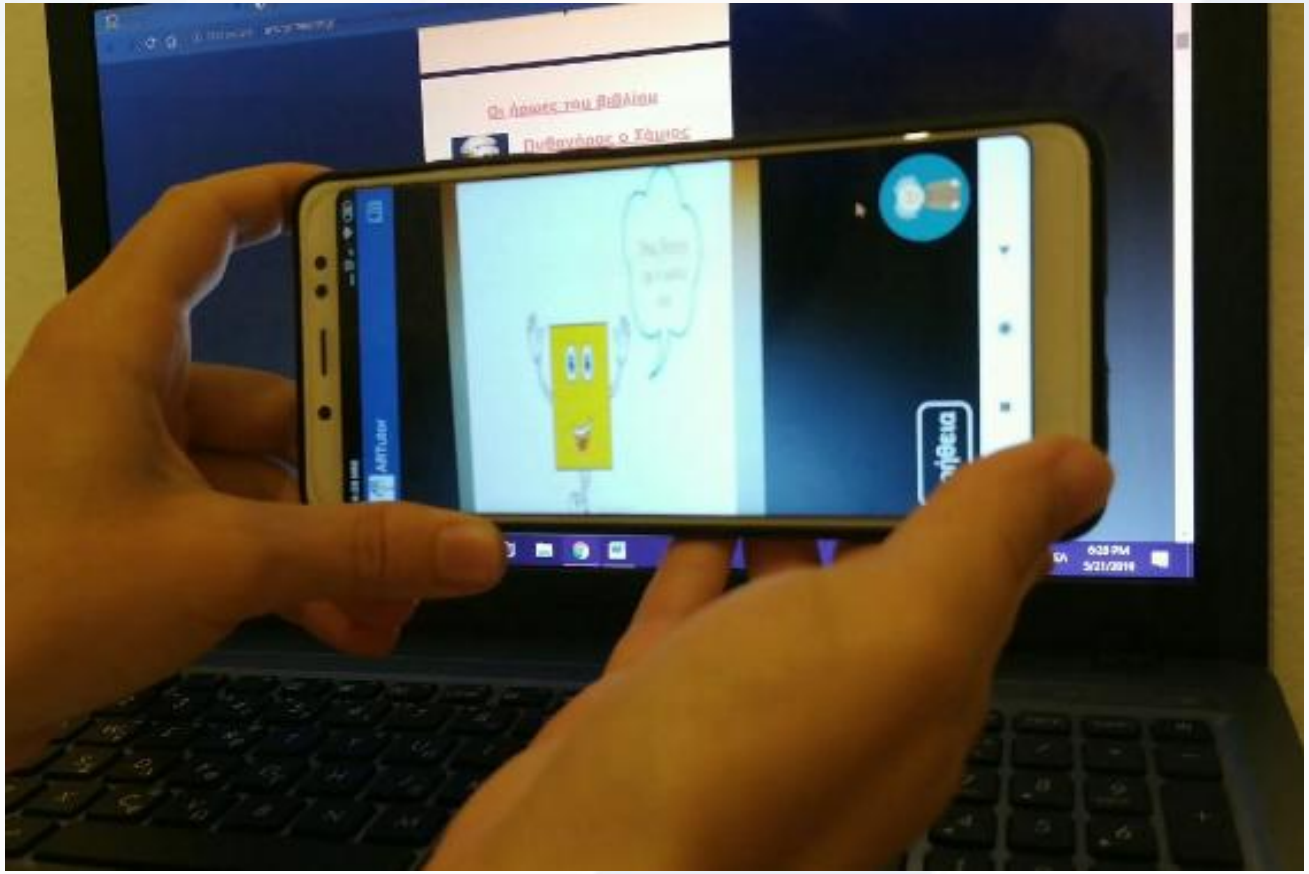
Inclusive Learning

(Συμμετοχική Μάθηση)

& exploration via

Mixed Reality

(Μεικτής Πραγματικότητας)

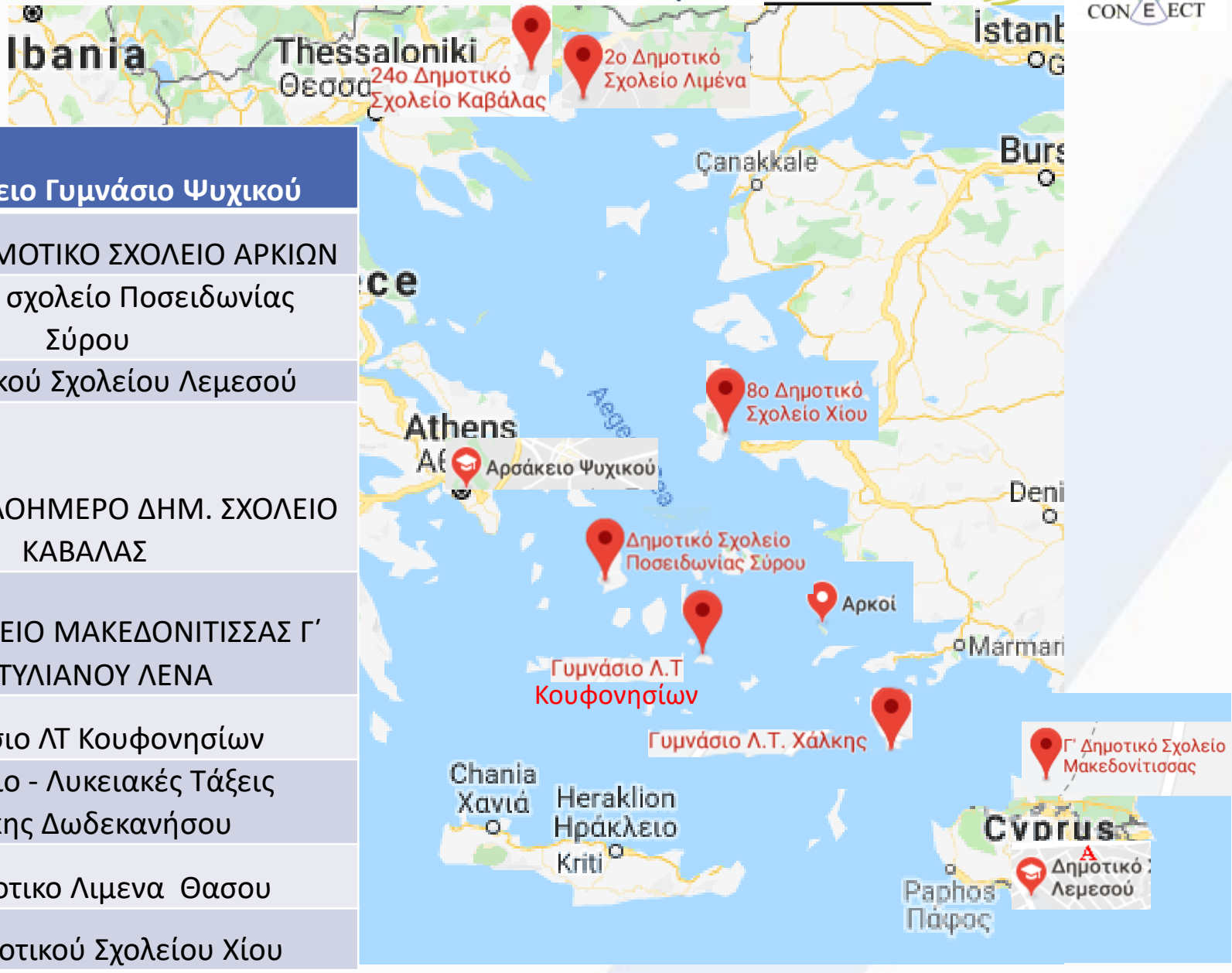


Expectations….

- Increased students' attendance
- Hands-on digital experience in raising awareness on **Disaster Management**
- Raising awareness on the use of **three digit numbers (i.e. 112)**
- Knowledge transfer, skill acquisition
- **Content can be developed by the teacher or the students**
- End user will be immersed in the educational material

Teachers of the of the Network of 10 Pioneer Schools

Αικατερίνη Γλέζου Λένα Γαλιάνδρα	Α΄ Αρσάκειο Γυμνάσιο Ψυχικού
Μαρία Τσιαλέρα	1/ΘΕΣΙΟ ΔΗΜΟΤΙΚΟ ΣΧΟΛΕΙΟ ΑΡΚΙΩΝ
Μαρία Ιωσηφίδου	Δημοτικό σχολείο Ποσειδωνίας Σύρου
Παρασκευή Σοφοκλέους	Α΄Δημοτικού Σχολείου Λεμεσού
Αθιανάς Κων/νος, Κεσόγλου Μιχάλης, Λέφα Γεωργία Χατζηκατσούπης Γρηγόρης	24ο 12/Θ ΟΛΟΗΜΕΡΟ ΔΗΜ. ΣΧΟΛΕΙΟ ΚΑΒΑΛΑΣ
Δημήτρης Νικολάου	ΔΗΜ. ΣΧΟΛΕΙΟ ΜΑΚΕΔΟΝΙΤΙΣΣΑΣ Γ΄ - ΣΤΥΛΙΑΝΟΥ ΛΕΝΑ
Λίντζιου Ιωάννα	Γυμνάσιο ΛΤ Κουφονησίων
Βαγγέλης Ηλιάδης	Γυμνάσιο - Λυκειακές Τάξεις Χάλκης Δωδεκανήσου
Γεωργιος Καβαζης	2ο Δημοτικο Λιμενα Θασου
Ντουλης Δημητριος	8ου Δημοτικού Σχολείου Χίου

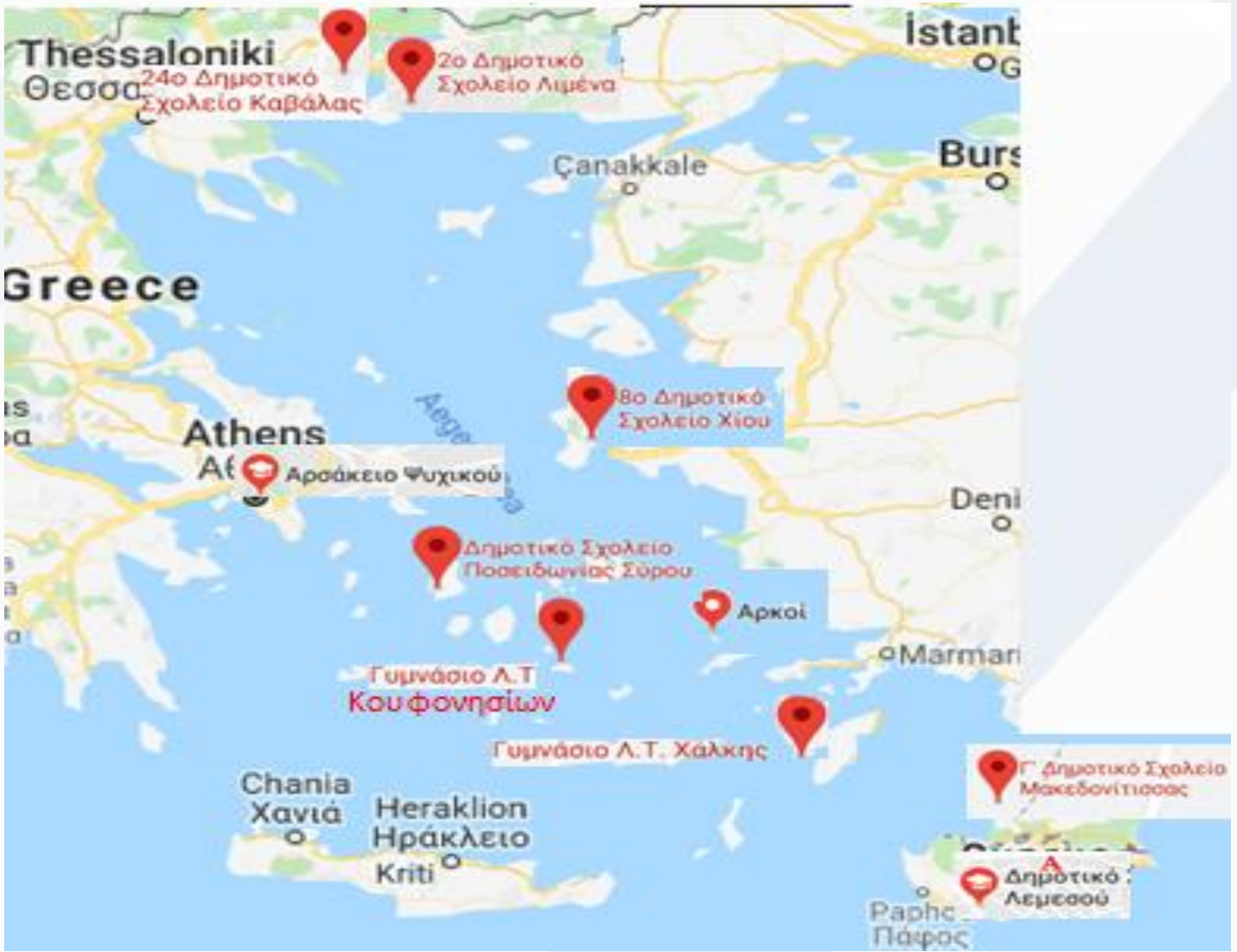


Virtual School

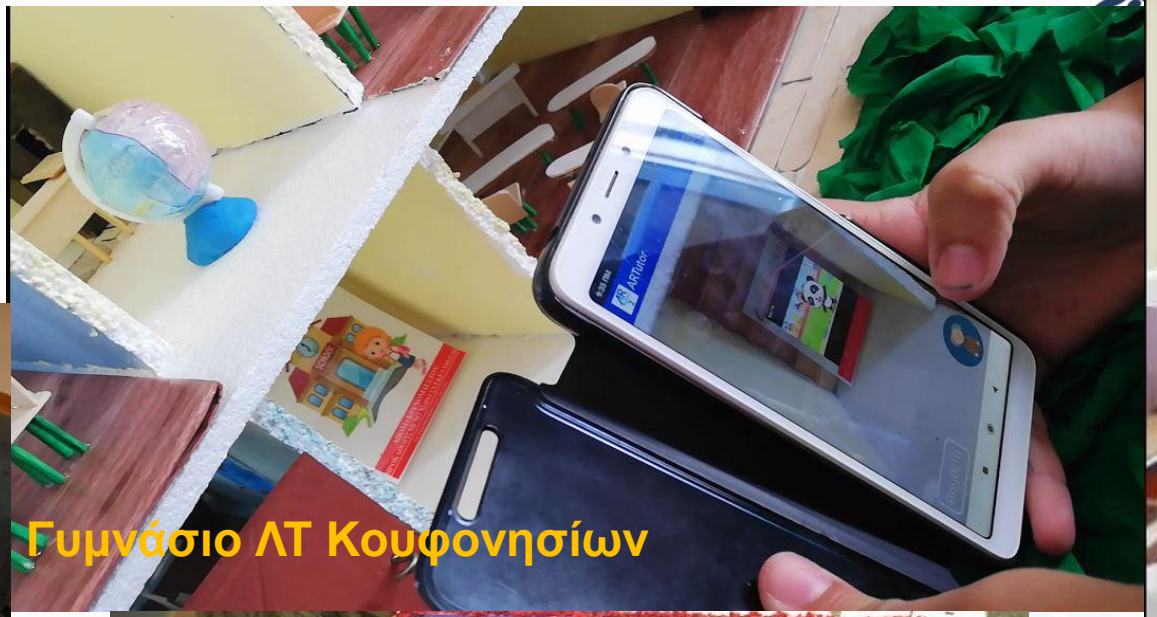
In Numbers back in 2019

4 Weeks Preparation Time

- **2 countries**
- **10 Schools**
- **13 Teachers**
- **182 Students**



napshots of the 2019 event in schoo



Enhancing education with Augmented Reality

Virtual School Awards

Advanced Educational Technologies & Mobile Applications Lab

EDUCATION LEADERS AWARDS 2020

Bronze Prize (June 2020)

MINISTRY OF EDUCATION AND RELIGIOUS AFFAIRS
INSTITUTE OF EDUCATIONAL POLICY

Accredited by the Institute of Educational Policy of Ministry of Education Greece (January 2021)

European Commissioner for humanitarian aid Mr Christos Stylianides awards the 10 Pioneer School Units of Virtual School (Oct 2019)

Virtual School is expanding 2020-2021

Advanced Educational Technologies & Mobile Applications Lab

Funded by European Union Civil Protection

EUROPEAN COMMISSION

Directorate-General for European Civil Protection and Humanitarian Aid Operations (ECHO) Disaster Preparedness and Prevention Knowledge Network and Evidence-Based Policy

B.03 – Knowledge Network and Evidence-Based Policy

RESISTANT

Crisis Training Platform

Training and Knowledge Sharing Platform for First Responders and Educational Tools for students' and citizens' awareness and preparedness against Natural and Manmade Disasters and Risks

Partners

INTERNATIONAL HELLENIC UNIVERSITY	DIETHNES PANEPISTIMIO ELLADOS (IHU)	Greece
	ENOSI PTYCHIOYCHON AXIOMATIKON YPAXIOMATIKON PYROSVESTIKOY SOMATEIO (EPAYPS)	Greece
konnektable TECHNOLOGIES	KONNEKT-ABLE TECHNOLOGIES LIMITED (KT)	Ireland
	UNIVERSITY GOCE DELCEV-STIP, MILITARY ACADEMY GENERAL MIHAILO APOSTOLSKI-SKOPJE, ASSOCIATE MEMBER (MAGMA)	Republic of North Macedonia
	HRVATSKA UDRUGA KRIZNOG MENADZMENTA UDRUGA ZA PROMICANJE I RAZVOJ UPRAVLJANJA KRIZAMA I PRUZANJA POMOCI UKATASTROFAMA (CCMA)	Croatia
	OMADA DIASOSIS EVOIAS SAR 312 (S.A.R 312)	Greece
	OMADA DIASOSIS DELTA (RTD)	Greece

3D Virtual School

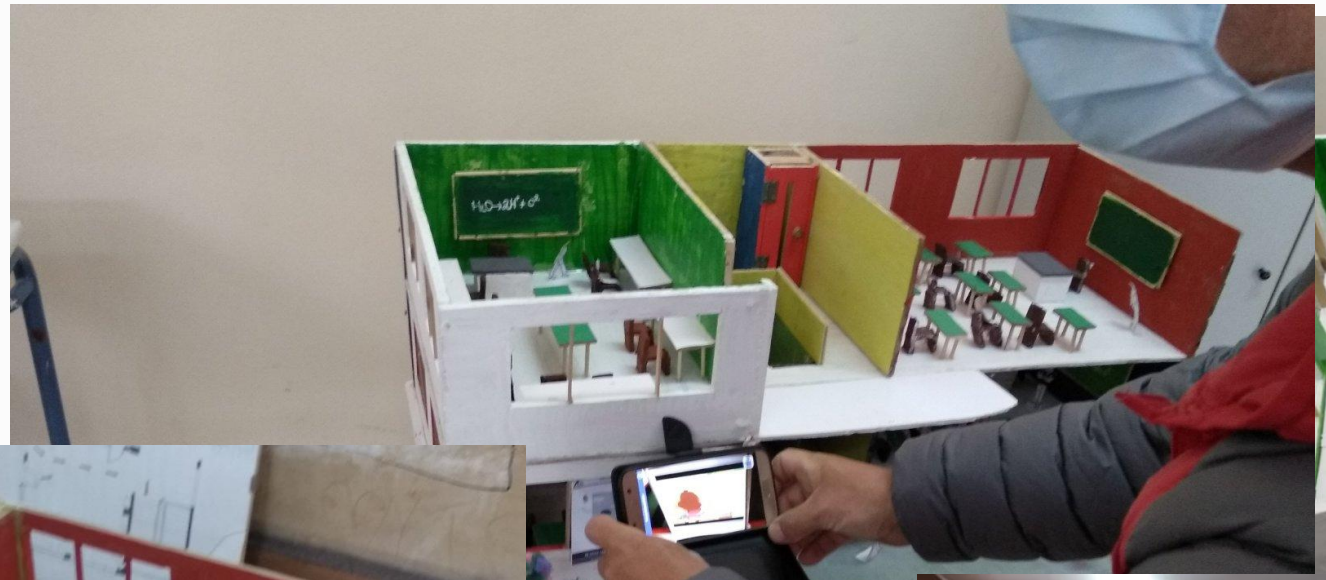
Γυμνάσιο Αλιβερίου

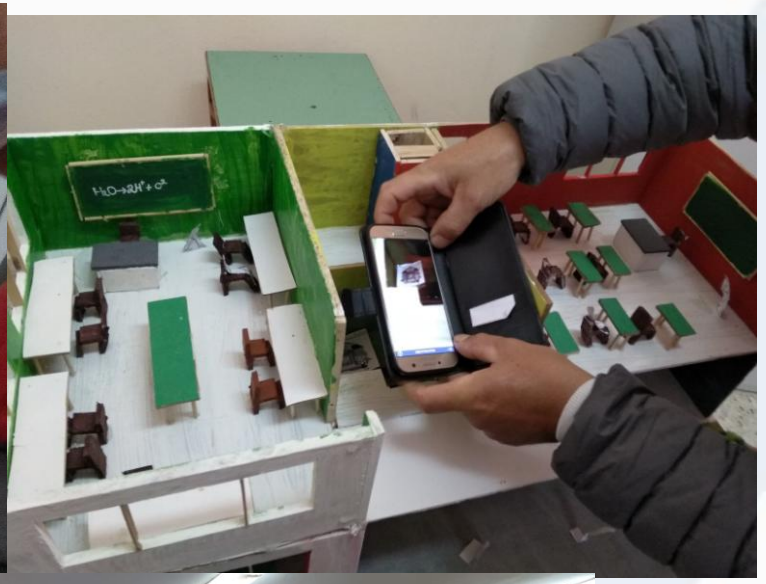
3D Virtual School
The case of Gymnasio Aliveriou

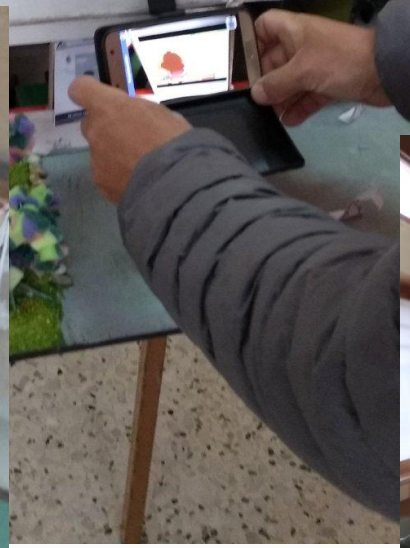
- 3 Teachers
- Ιμιρτζιάδης Μιχαήλ
- Γιάντσιου Λεμονιά
- Σάλιαρης Ευάγγελος
- 63 Students
- Γ Τάξης

Snapshots of the artifact construction in the Gimnasio Aliveriou

Snapshots of the event
In the Gymnasio Aliveriou







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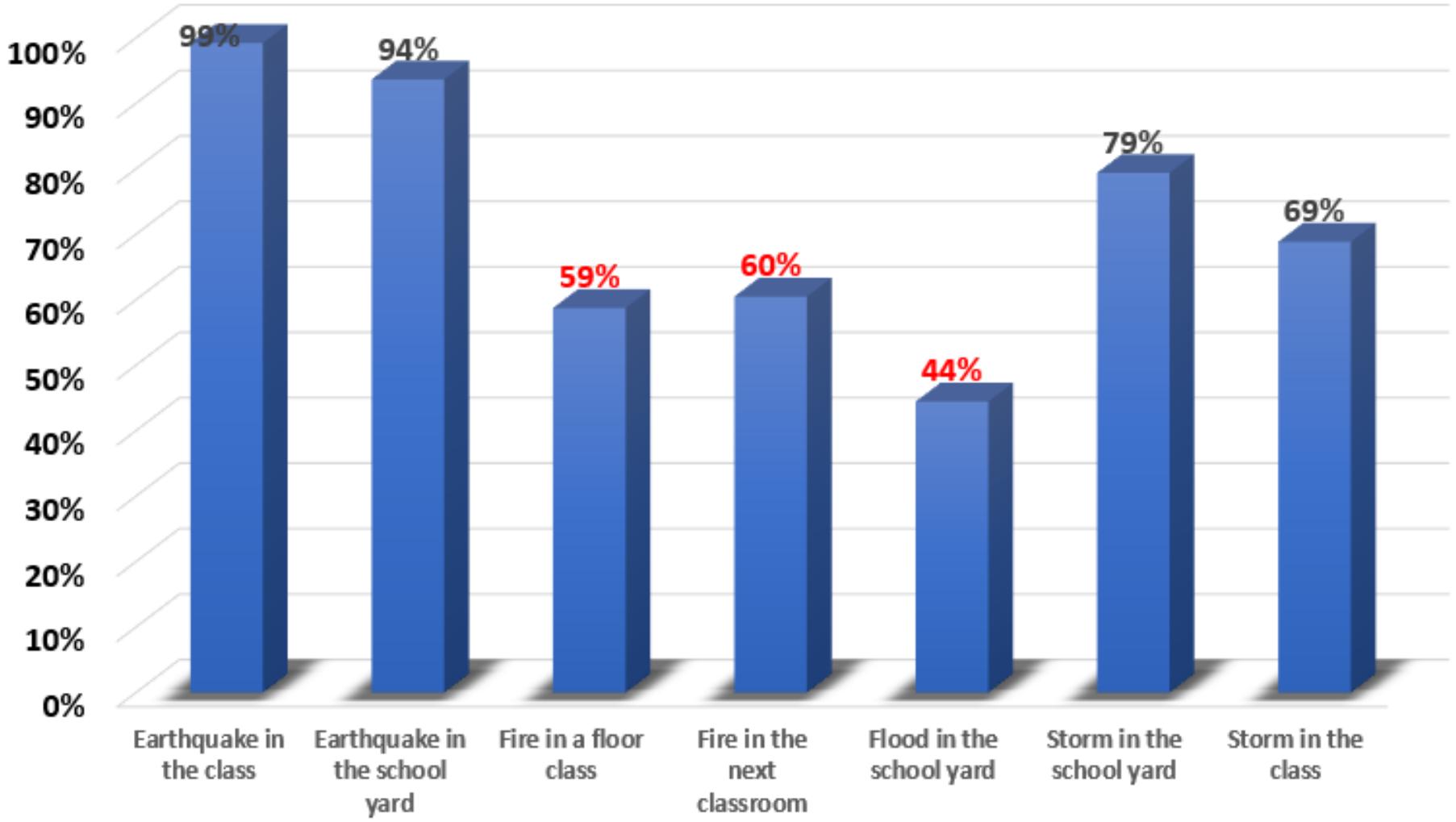
Virtual School

Pre test analysis Results

Student knowledge about disasters management

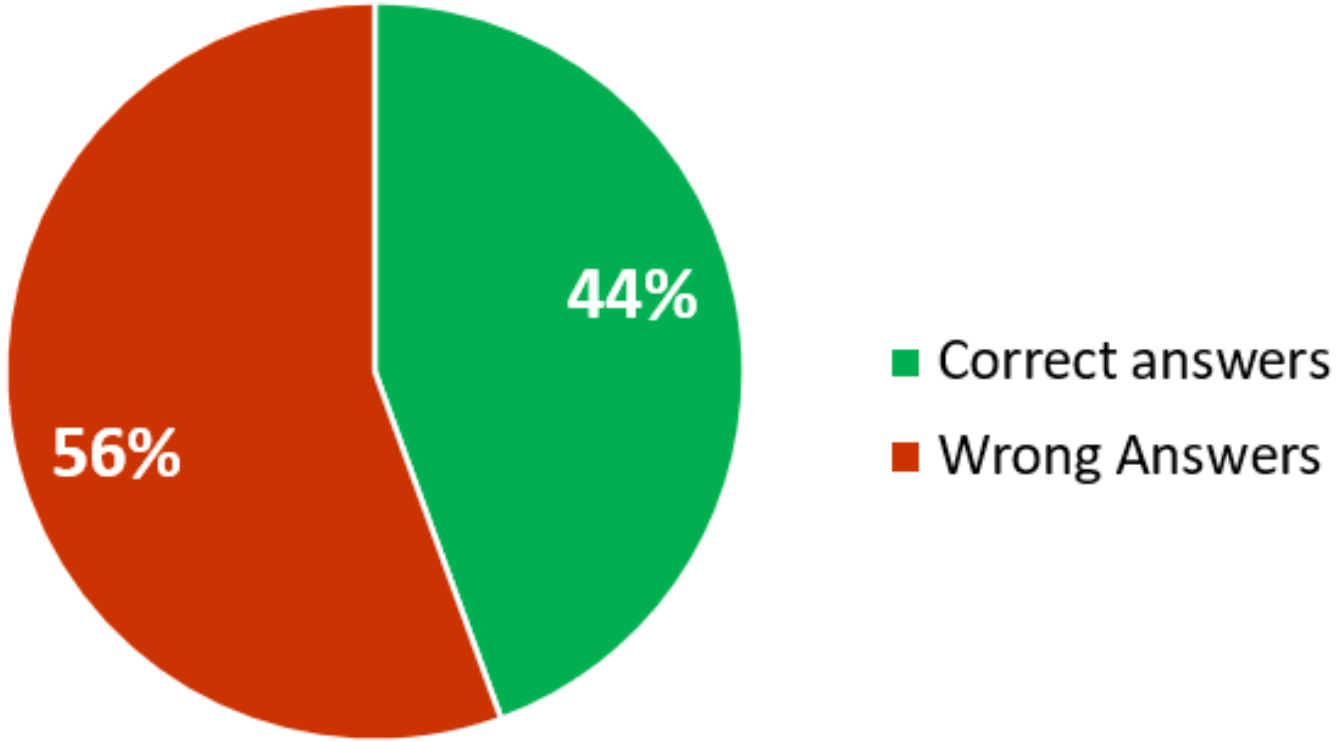


Advanced Educational Technologies & Mobile Applications Lab

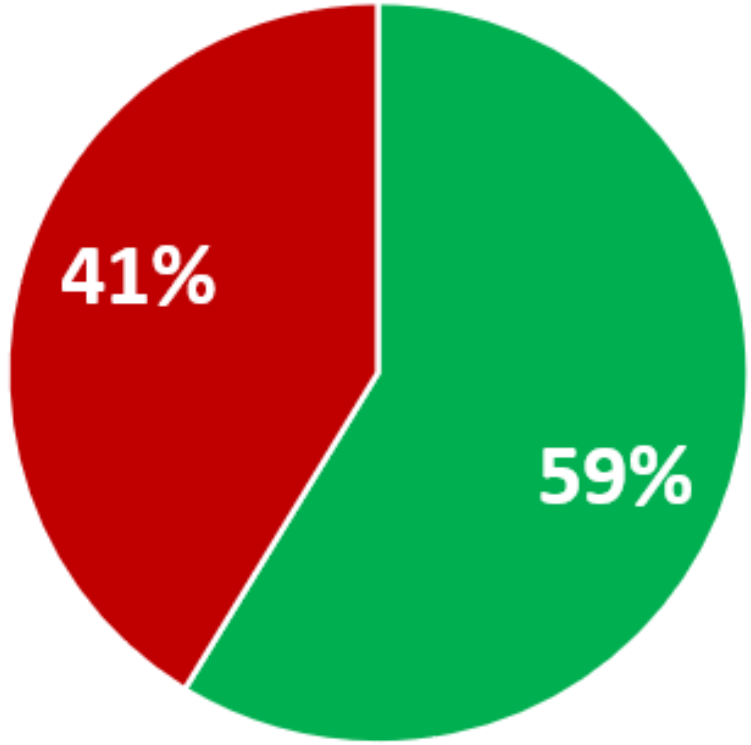
Pre test analysis Results

Student knowledge about disasters management

Flood in the school yard



Fire in the school



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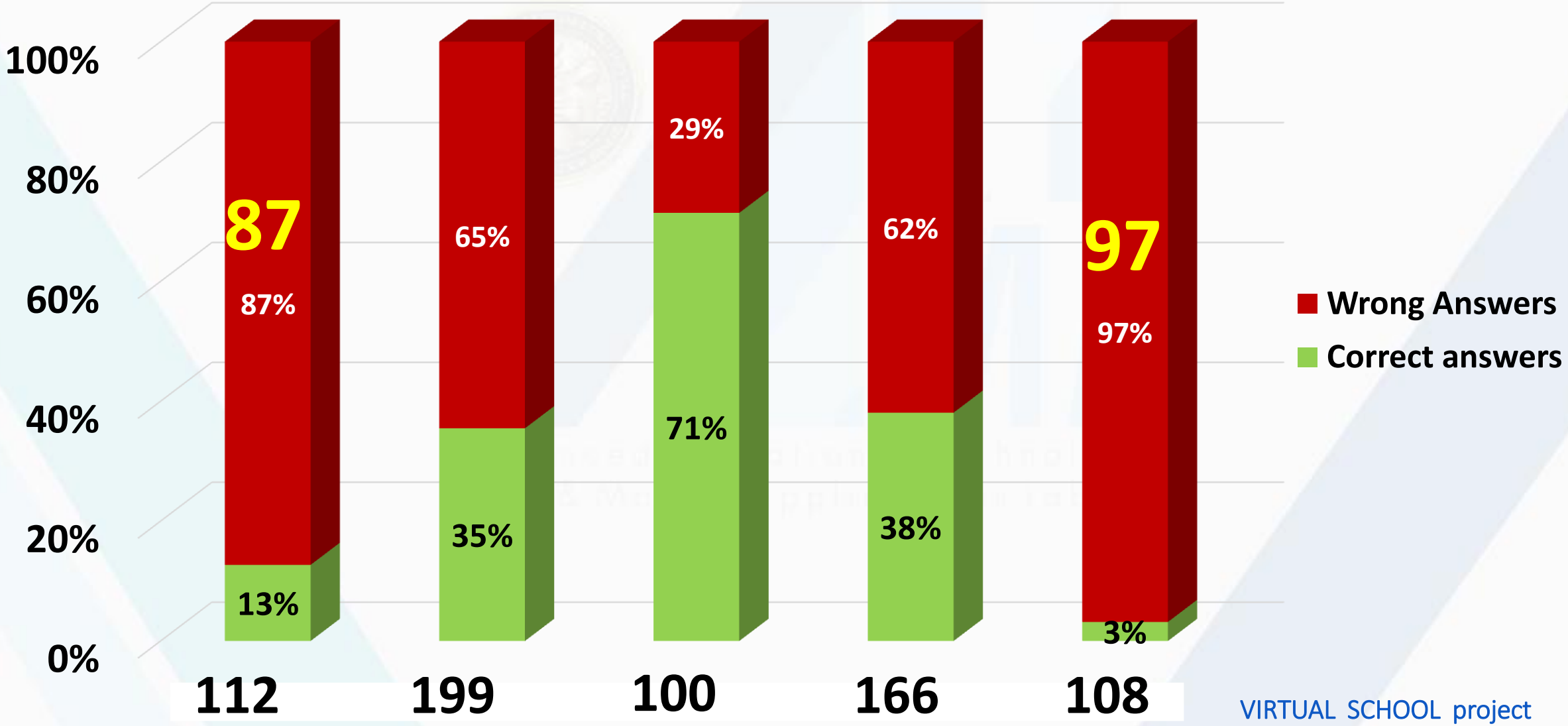
Pre test analysis Results

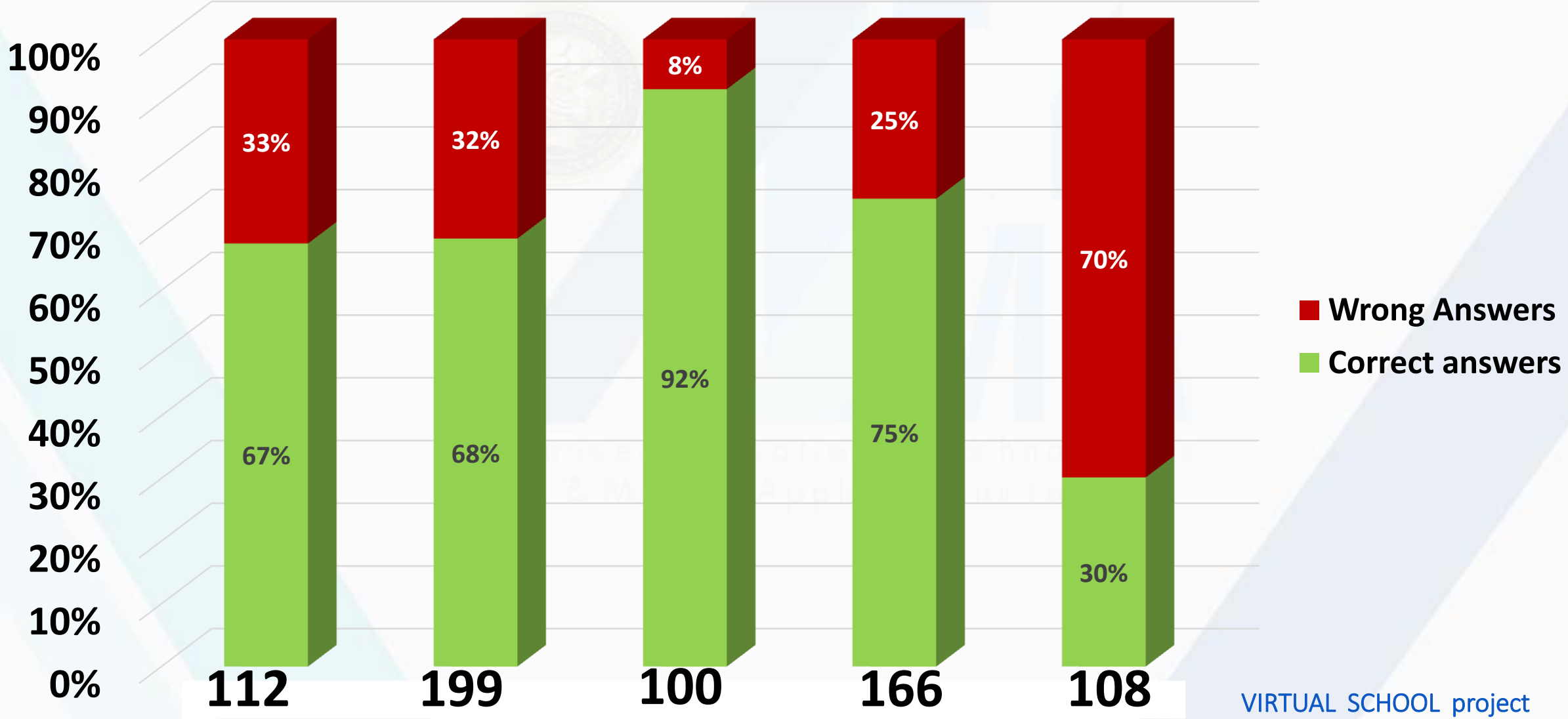
Student knowledge on emergency 3digit numbers



Virtual School

Post test analysis Results

Student knowledge on emergency 3digit numbers



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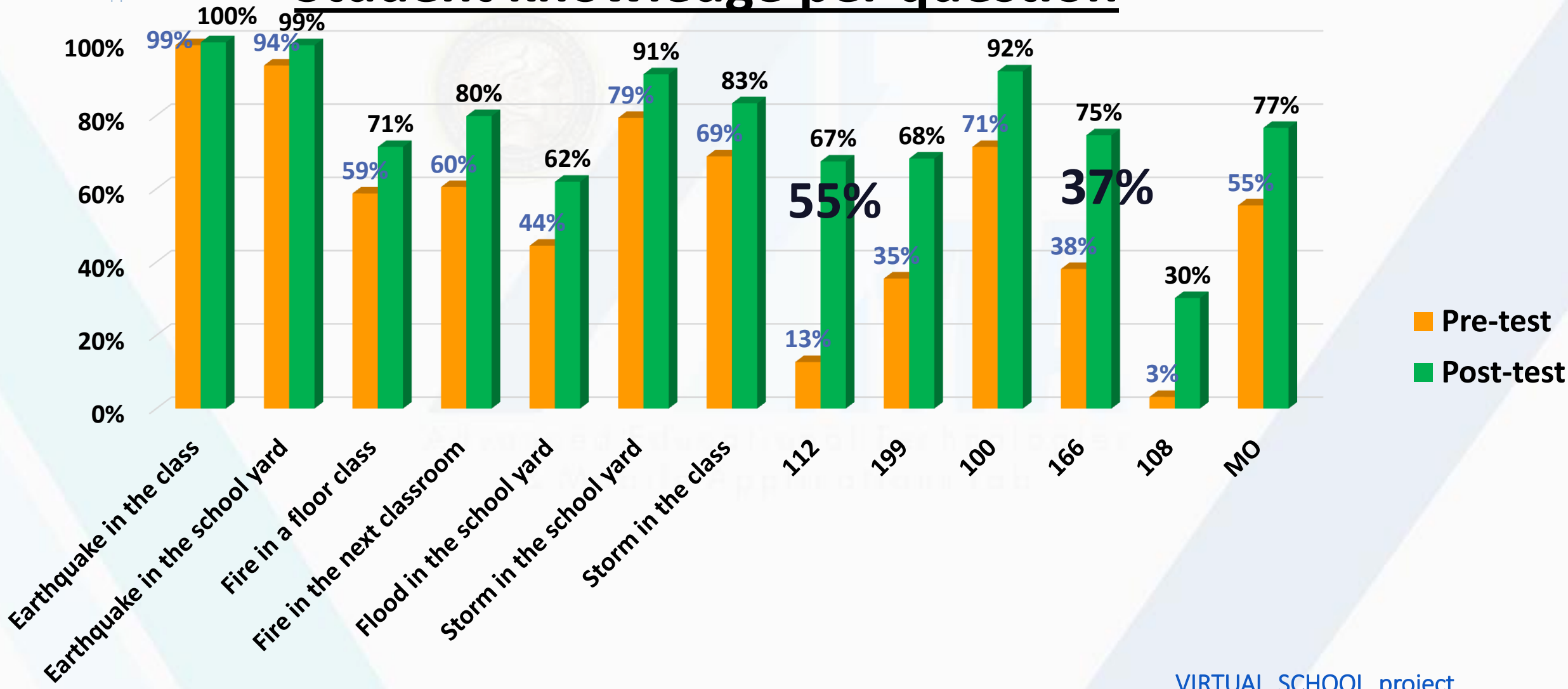
Pre & Post test analysis Results

Student knowledge per question



Virtual School

Post test analysis

Students perceptions regarding technology and Virtual School activity

Overall an 80% believe that can learn faster, better and with a more motivative way

Virtual School

In the eyes of the ***teachers***

Virtual School 2021

All Schools

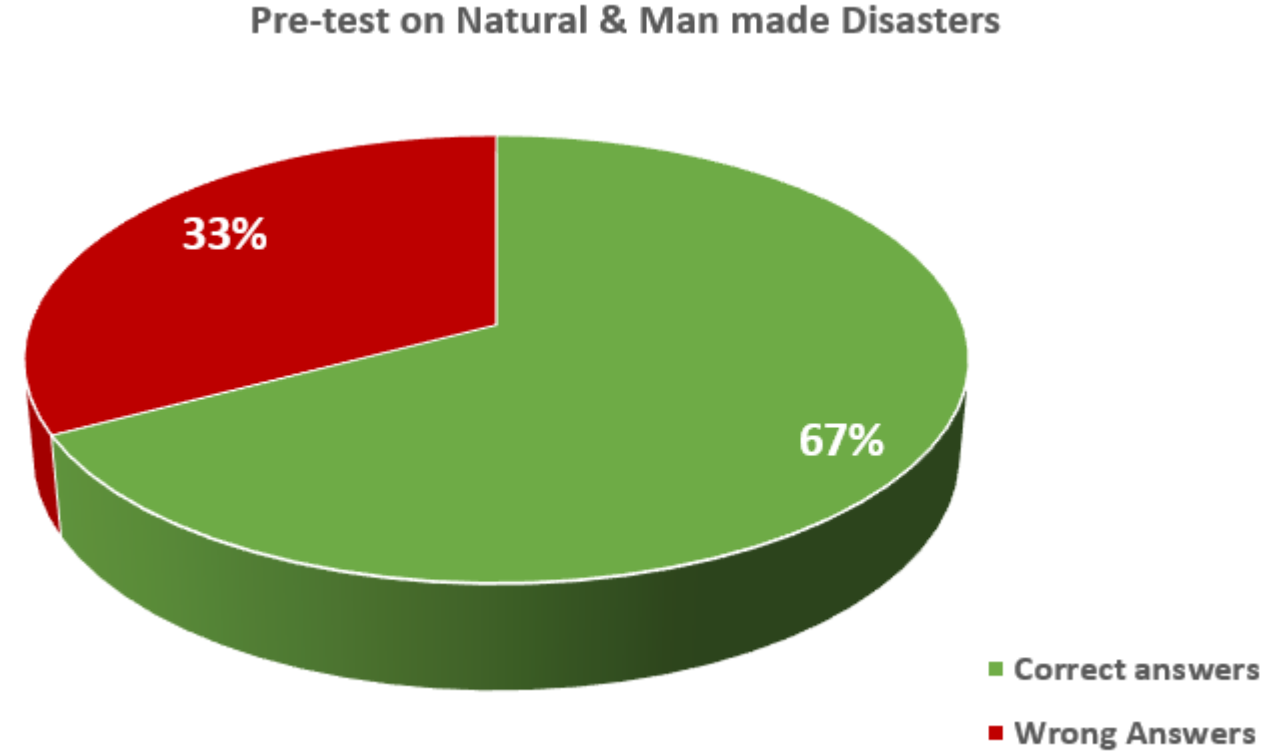
- 3 Schools
- 6 Teachers
- 98 Students

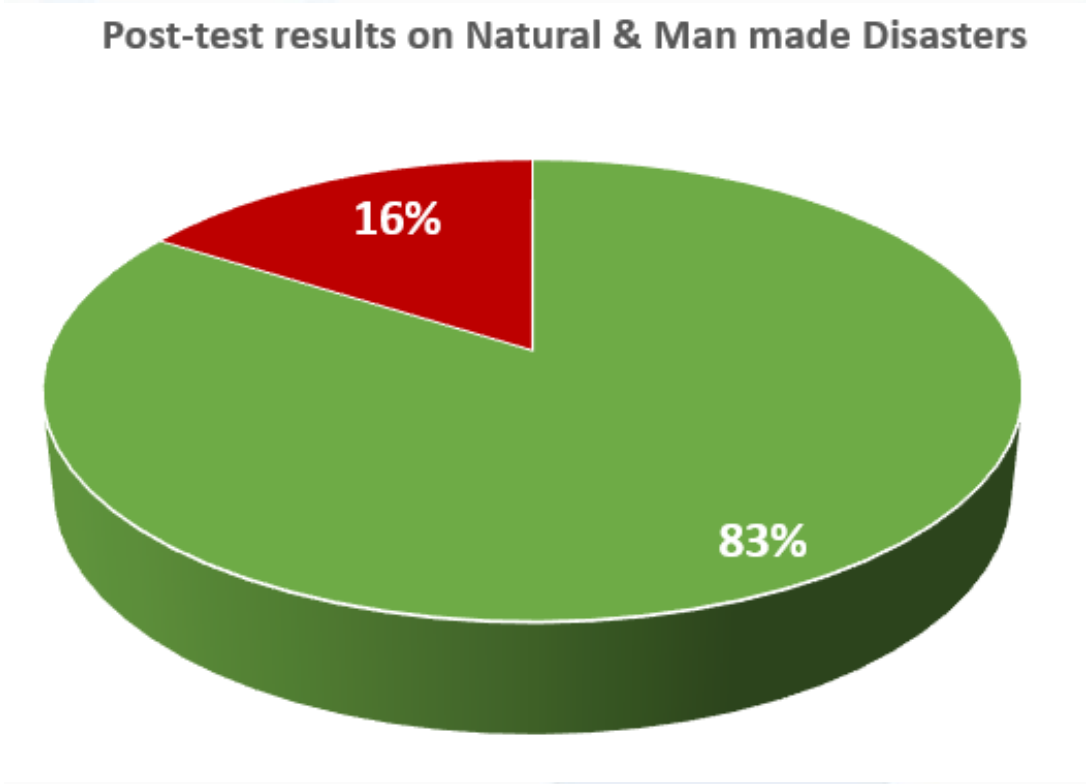
Advanced Educational Technologies & Mobile Applications Lab

Pre test analysis Results

Student knowledge about disasters management

All Schools





Advanced Educational Technologies & Mobile Applications Lab

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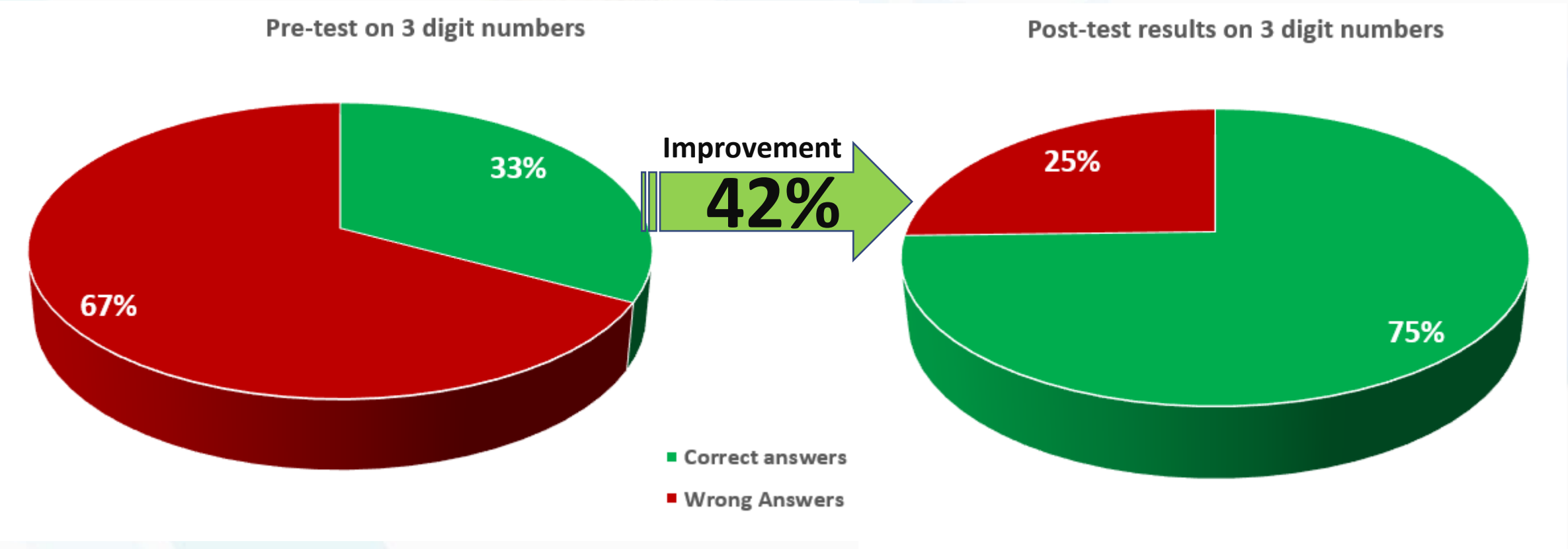
All Schools