

# G3

## USING ONLINE LABORATORIES IN INQUIRY BASED SCIENCE LEARNING FOR TEACHING IN STEM CLASSROOMS.



# WHY?



- To promote better performance in STEM lessons
- To research shows that students using online tools perform better results in tests.
- Developing 21 st century skills
- Students will discover by them selves and be more engaged
- Suitable for flipped classrooms
- It is not limited with school times
- Student can take the role of real scientists
- It developes critical thinking and makes decisions

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Science Learning for teaching in STEM  
classrooms**

# Who for?



- We design this project for STEM teachers
- The STEM teachers implement this project for their students

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# Whom?



- Students

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# Where?



- We are starting the online campaign on #SPW30
- Each member of G3 share the project in national level
- National points we will contact in the international level

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# When?



- In the end of the school year

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# How?



- In the end of the school year

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# How?



- We will share a tweet “/Use online classroom tools-take your one minute video-share your videos on #IBSL-go to BRUSSEL”
- We are going to share an example IBSL teaching practice and we will support it with the results of the research about online learning tools in classroom

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## Earthquakes



Creator	Panagiota Argyri
Age Range	9-10, 11-12, 13-14, 15-16, Above 16
Big Ideas Of Science	Energy Transformation, Planet Earth
Subject Domains	Earth Science, Earthquakes, Geography, Geography And Earth Science, Seismology
Language	English
Average Learning Time	90 Minutes
License	Creative Commons Attribution (CC BY)
Works Offline	No

[Preview](#)[Duplicate Space](#)

### Description

Take a role of scientist for study and learn about earthquakes.-Relation between earthquakes and limits of tectonic plates- Investigation basic earthquakes' parametres, using real data by research center Orfeas.-Statistic measurements and graphs for earthquakes.-Plans for protection by earthquakes

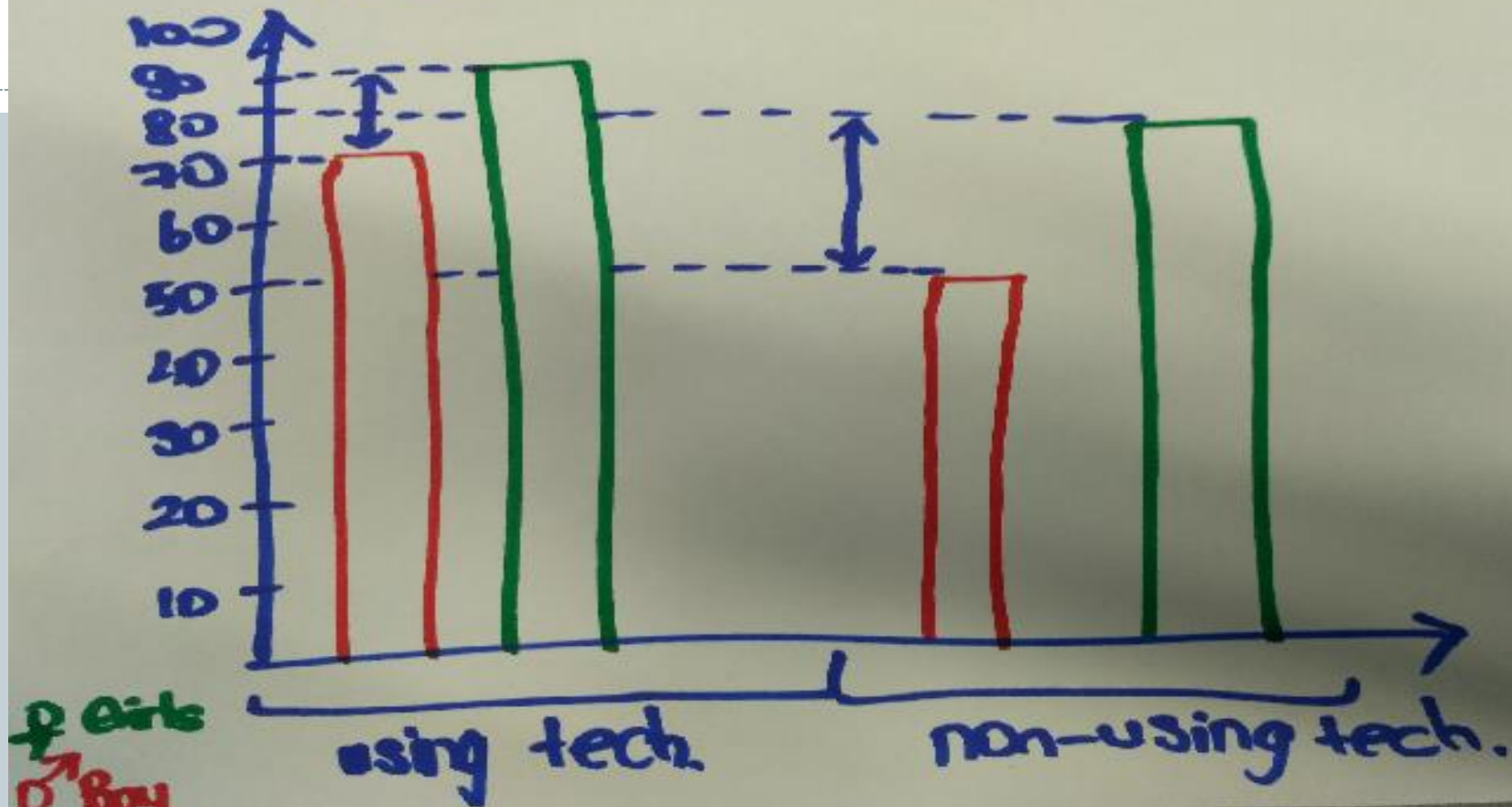
### Prior Knowledge Requirements

Statistical knowledges

<https://www.golabz.eu/ils/earthquakes-1>

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# Test Results on Academic Performance



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Thank you for your attention and  
we are looking forward your comments

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