



STEM for inclusive Schools

WP2 – Activities

Worksheet – What is a seismograph?

Physics / Engineering

Scoala Gimnaziala Nr. 7 Galati, RO

Project Title: STEM for inclusive Schools

Acronym: STEMInSCH

Reference number: 2023-1-DE02-KA220-000000

Project partners:

- P1 University Paderborn (UPB), DE
- P2 Universitatea Dunarea de Jos din Galati (UDG), RO
- P3 Scoala Gimnaziala Nr. 7 Galati, RO**
- P4 Siec Badawcza Lukasiewicz - Instytut Technologii Eksploatacji, PL
- P5 Inovatif ve Girisimci Toplum Dernegi, TR
- P6 Sucessos Criativos, Lda, PT



Worksheet for the Activity:

What is a seismograph?

Task description:

Time to finish the task: 60 minutes

Supplies:



- Cardboard box
- Paper or plastic cup
- String
- Pencil
- Tape
- Ruler
- Small object (e.g., marble, bead, coins)

Method:



Pairs work



Instructions:

<https://youtu.be/41RzGwZINOk?si=hxQByz-z8thjhYBR>

Use the template of the video.

- **Cut the flaps off a cardboard box**
- **Use string to hang a plastic cup inside the box**
- **Poke a hole in the bottom of the cup**
- **Insert a marker through the hole**
- **Cut a piece of paper into four strips**
- **Tape them end-to-end to form one long strip**
- **Cut slots in the bottom of the sides of the cardboard box**
- **Slide the paper through the slots**
- **Pull the paper through as you shake the box**

Your Group name:



Write the names of your group members in the box:





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- Can you tell how hard the box was shaking based on the line?
- Can you tell what is happening when the box was not shaking at all?

Write down your observations.

