

Build a clinometer

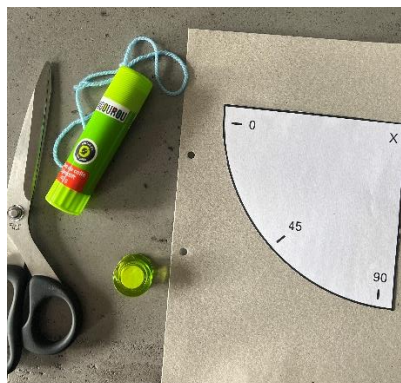
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|---------------------------------|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Name of the object and creator | Clinometer by Logopsycom | | | | |
| Recommended ages | 10 -12 y.o | | | | |
| Thematic areas combined (STEAM) | Sciences | Technology | Engineering | Arts | Mathematics |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Materials needed | <ul style="list-style-type: none"> • Piece of cardboard • Template printed • A piece of wool • Scissor • A straw • Masking tape • Small heavy object | | | | |
| Outline of the steps | <ol style="list-style-type: none"> 1. Construction of the clinometer 2. Test it ! | | | | |
| References | <p>Esero. (s. d.). DESIGN AND MAKE A CLINOMETER AND MEASURE THE HEIGHT OF A TREE. https://www.sfi.ie/site-files/primary-science/media/pdfs/col/dpsm_clinometer_activity.pdf</p> | | | | |

STEP BY STEP: How to build a clinometer

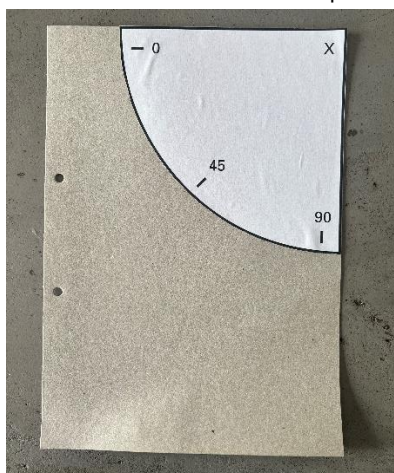
Step 1: Construction of the clinometer

Estimated time: 15 minutes

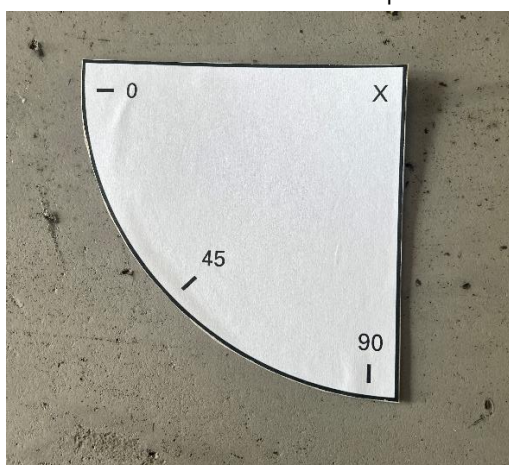
- Gather all the material.



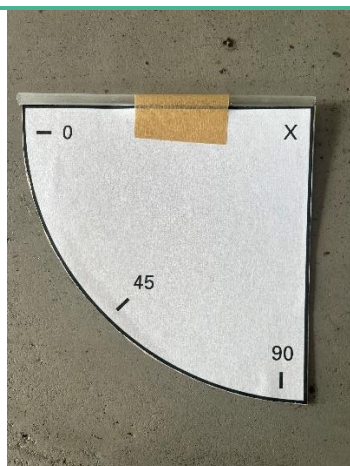
- Cut out the template and stick it on the piece of cardboard.



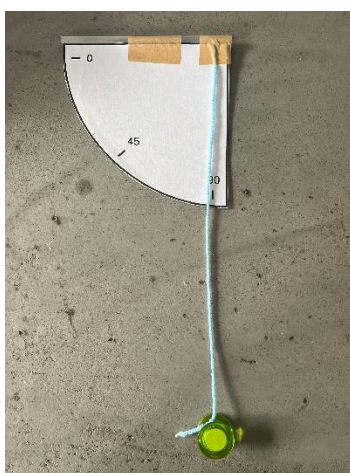
- Cut around the template.



- Cut a straw to the size of the side of the template and stick it on with masking tape.



- Tie a small, heavy object (in this case, magnets) to the wool string and stick it to the corner of the template using masking tape.



- Your clinometer is ready!

Step 2: Test it !

Estimated time: 10minutes

- Place the straw at eye level and look through from the opposite side to the string.
- Take a look at the pedagogical material to find out how to measure a tree with a clinometer!

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