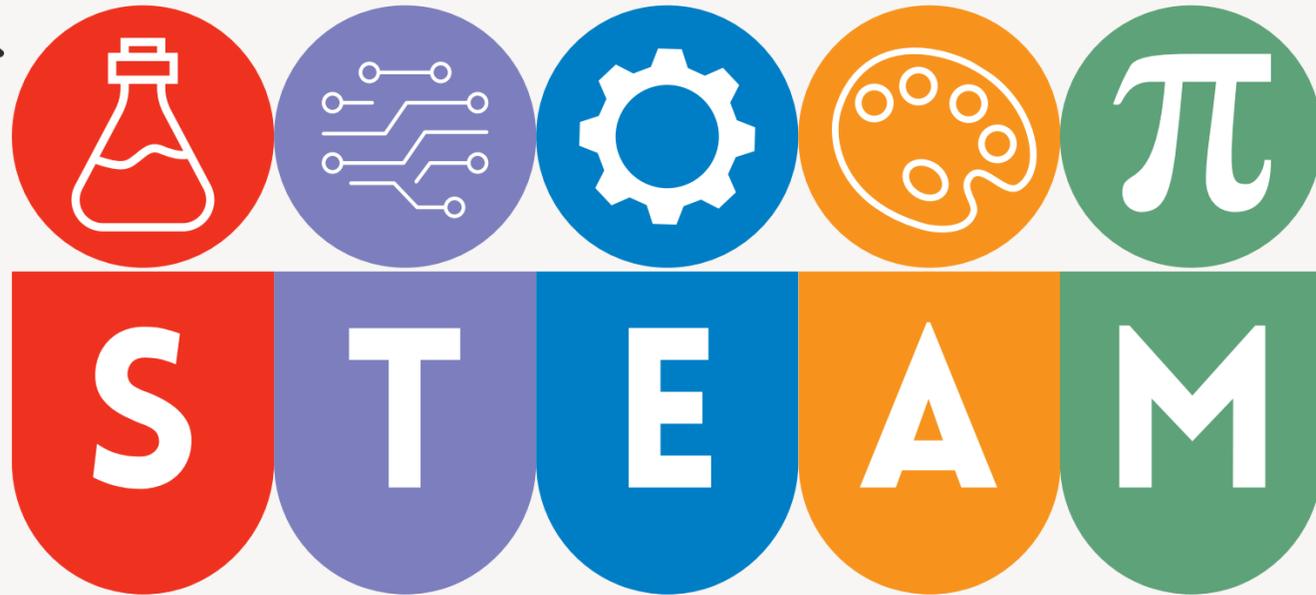
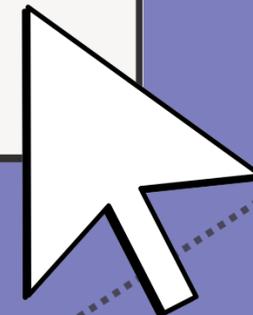
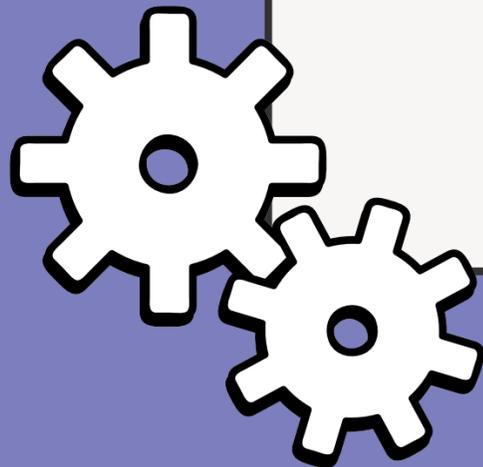


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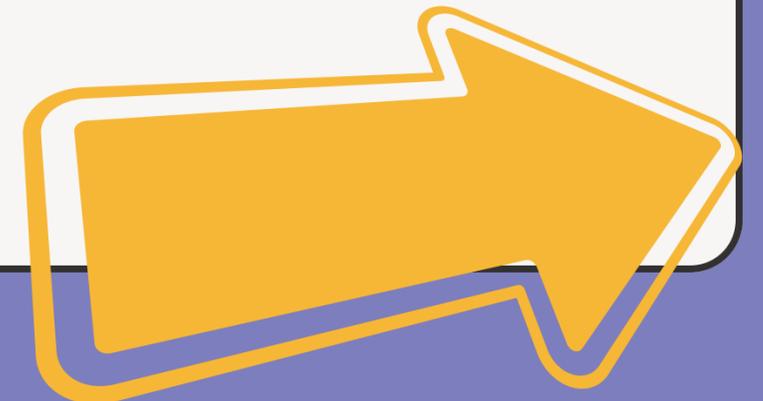


**TECHNOLOGY: Functional
Analysis of a Measuring
Instrument**

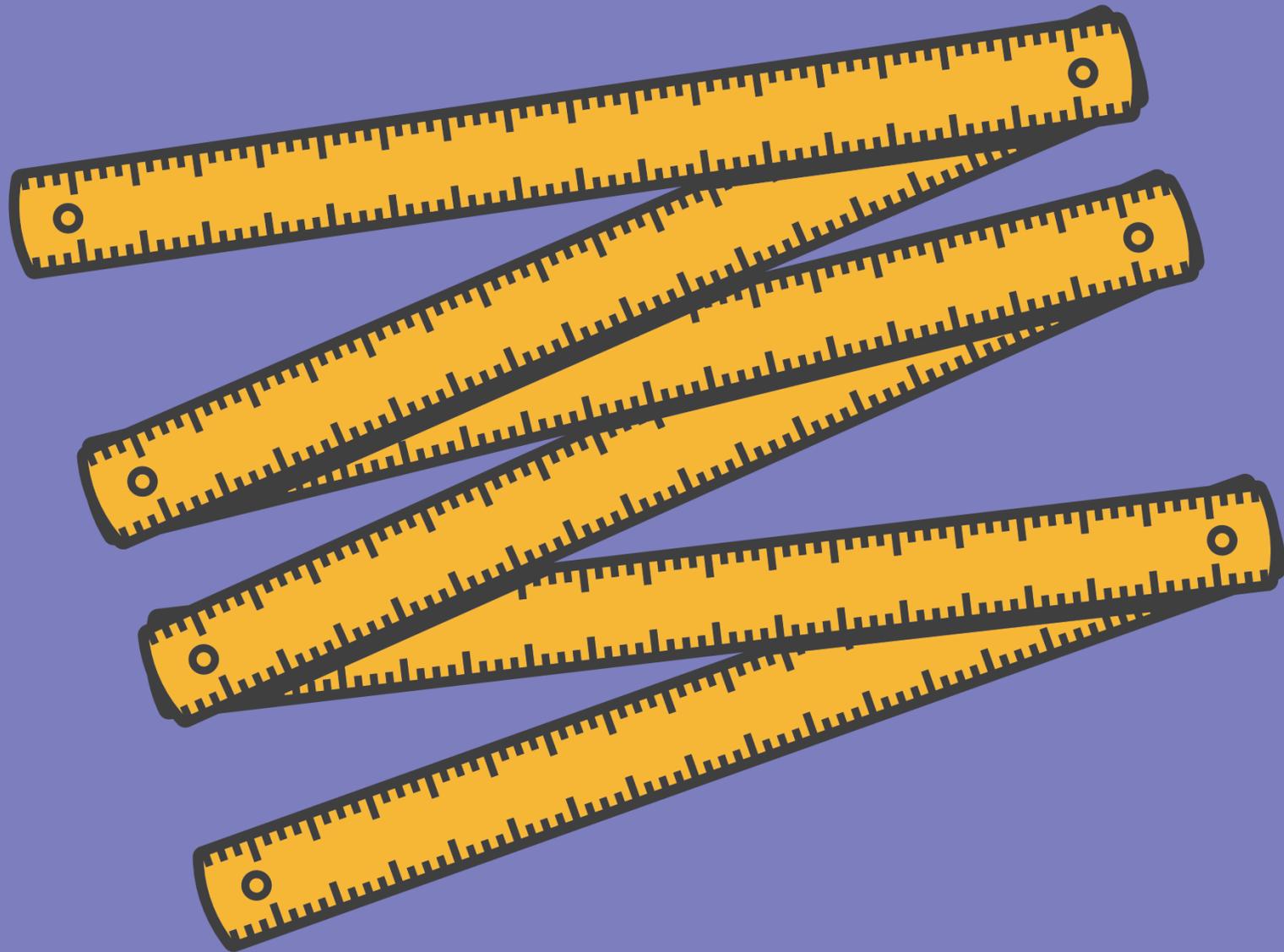


1. FUNCTIONAL ANALYSIS OF A MEASURING INSTRUMENT

Choose any measuring instrument and carry out a brief functional analysis following the structure of the example below, which refers to the folding rule.



FUNCTIONAL ANALYSIS OF THE FOLDING RULER

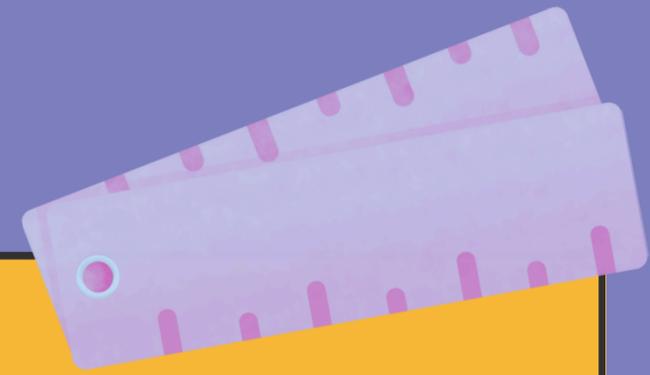


The folding ruler is one of the simplest measuring instruments.

It consists of **rigid segments that can be folded onto each other**. It is made of wood, plastic, or metal and comes in different lengths depending on the number of segments.

What is it used for?

The most obvious function of the folding rule is **to measure lengths**, whether it's the height of a table, the width of a room, or the distance between two points.



WHAT ARE ITS MAIN FEATURES?

- **Portability** – Thanks to its ability to fold, the folding rule becomes compact and easy to carry in a pocket or toolbox, ready for use when needed.
- **Durability** – Made from sturdy materials (wood or plastic), the folding rule is designed to last over time, withstanding drops and wear.
- **Ease of use** – It is straightforward to use. Simply extend and fold the segments to reach the desired length.

FEATURES

HOW DOES IT WORK?

- **Extension** – To use the rule, extend each segment until the desired length is reached.
- **Reading measurements** – Each segment is marked with measurements in centimetres and millimetres, making it easy to read the length measured.

WHY IS IT SO USEFUL?

The folding rule is the perfect tool for quick and accurate measurements: whether deciding where and how to hang a picture, checking if a piece of furniture fits through the door, assessing the layout of a room, or for many other tasks.