



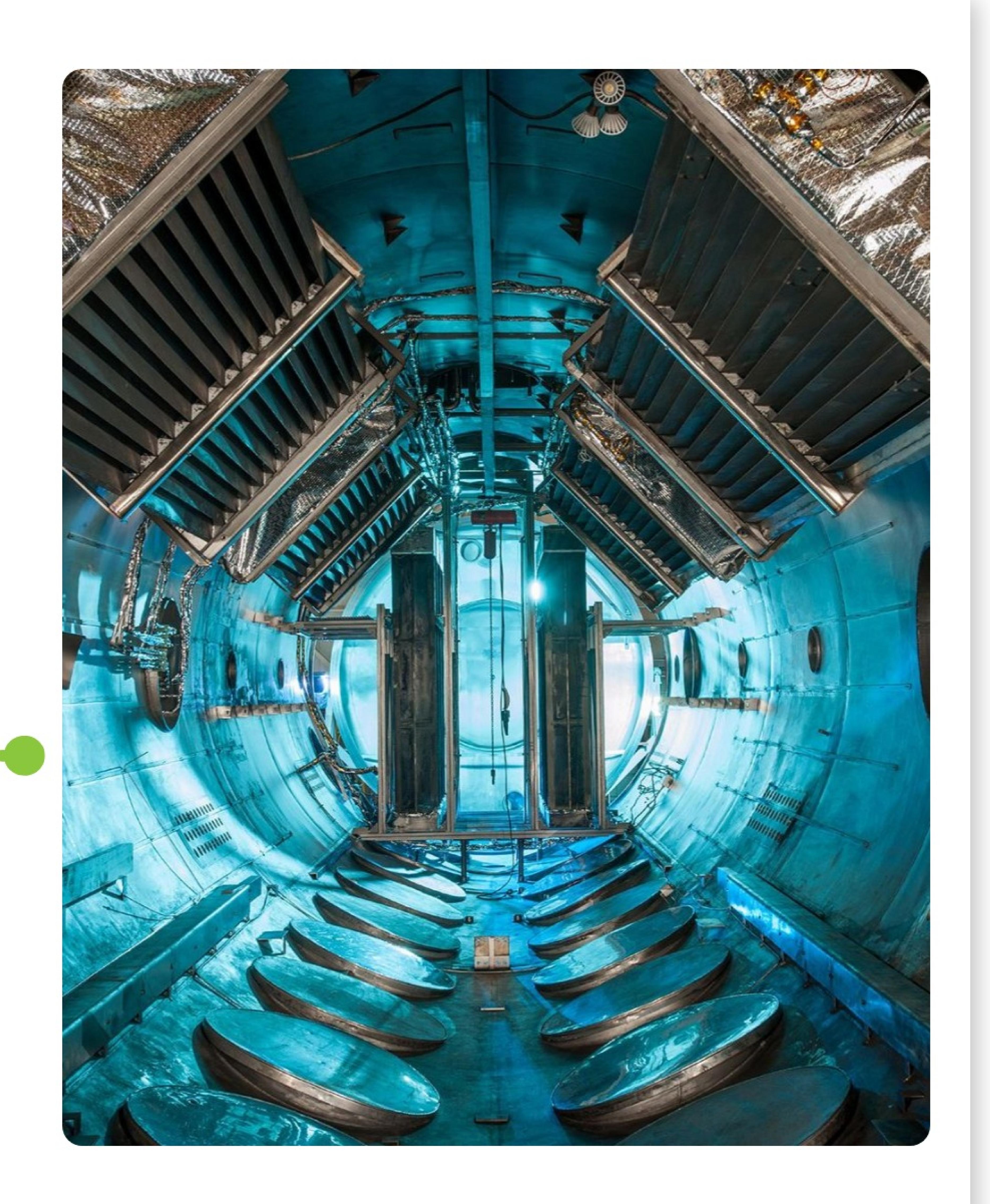


INTEGRATING STEM WITH CLIL



STEN

IS A CURRICULUM BASED ON THE IDEA OF EDUCATING STUDENTS IN FOUR SPECIFIC DISCIPLINES — SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS — IN AN INTERDISCIPLINARY AND APPLIED APPROACH. RATHER THAN TEACH THE FOUR DISCIPLINES AS SEPARATE AND DISCRETE SUBJECTS, STEM INTEGRATES THEM INTO A COHESIVE LEARNING PARADIGM BASED ON REAL-WORLD APPLICATIONS.



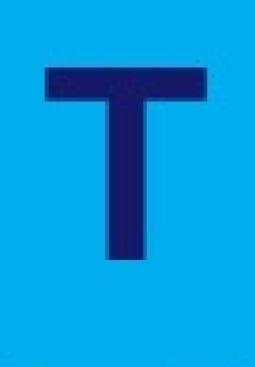
STEM

Science

The intellectual and practical activity encompassing the systematic study of the structure and behaviour of the physical and natural world through observation and experiment.

+INFO

Technology



The application of scientific knowledge for practical purposes, especially in industry.

+ I N F O

Engineering

The branch of science and technology concerned with the design, building, and use of engines, machines, and structures.

+INFO

Mathematics

The abstract science of number, quantity, and space, either as abstract concepts, or as applied to other disciplines such as physics and engineering.

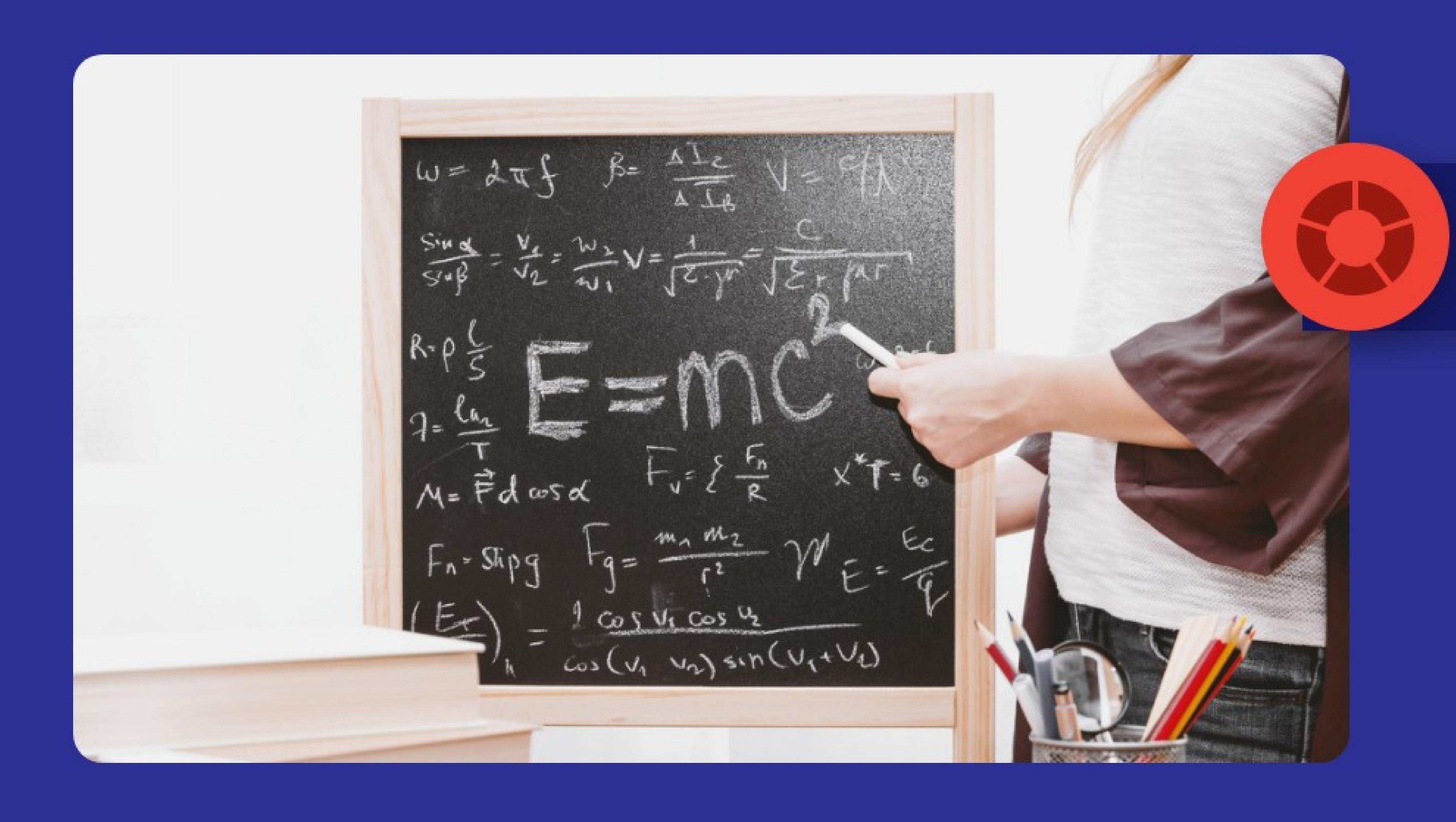
+INFO



Hypothesis

A supposition or proposed explanation made on the basis of limited evidence as a starting point for further investigation.



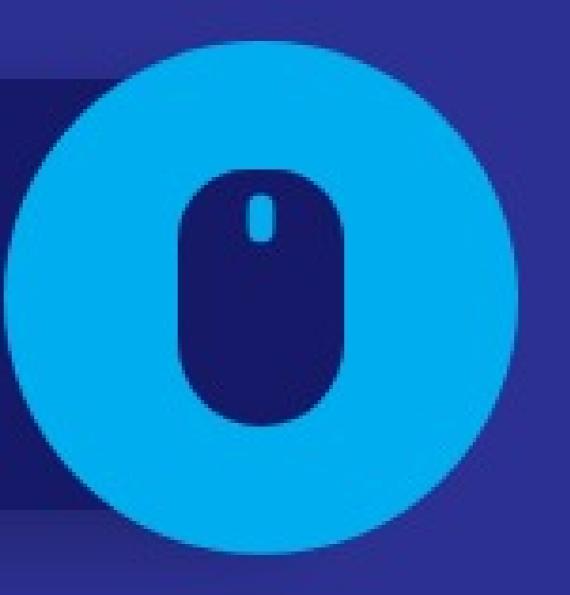


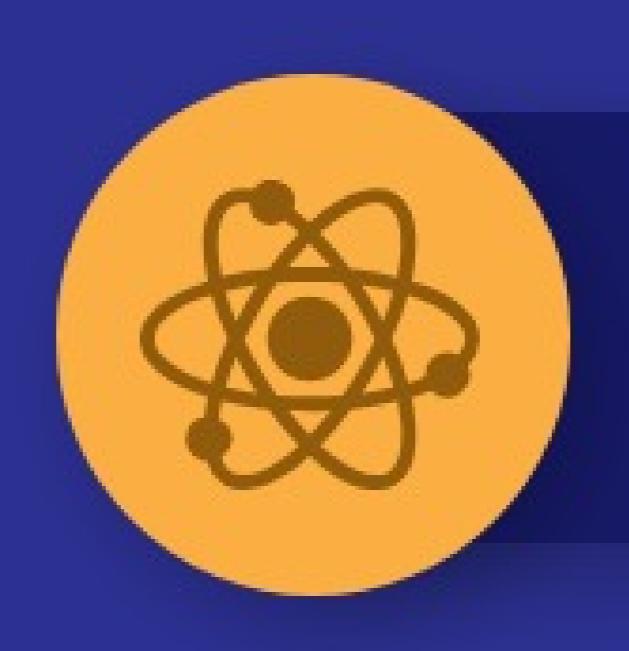
Theory

A supposition or a system of ideas intended to explain something, especially one based on general principles independent of the thing to be explained.



Speed





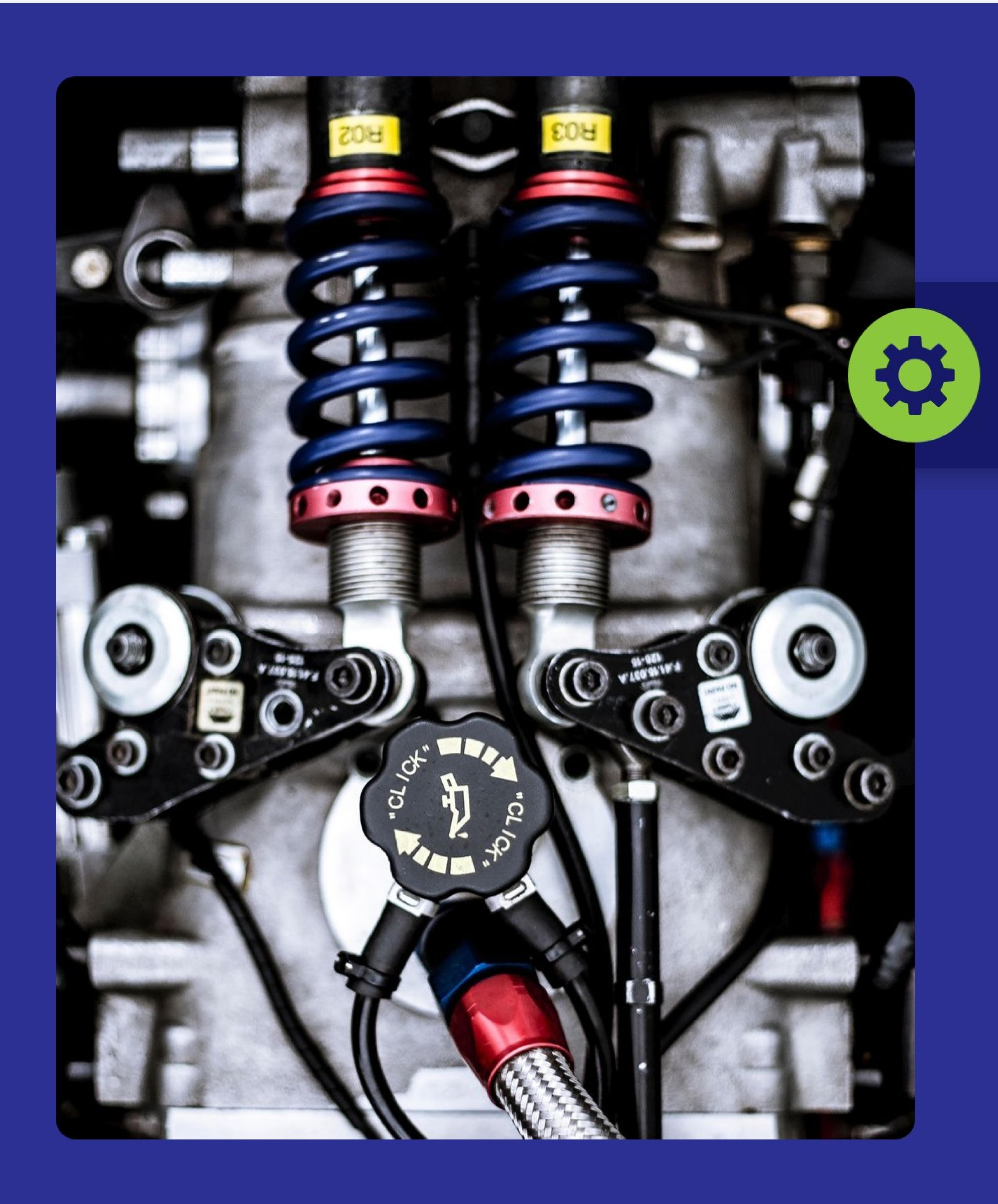
Balance





The rate at which someone or something is able to move or operate.

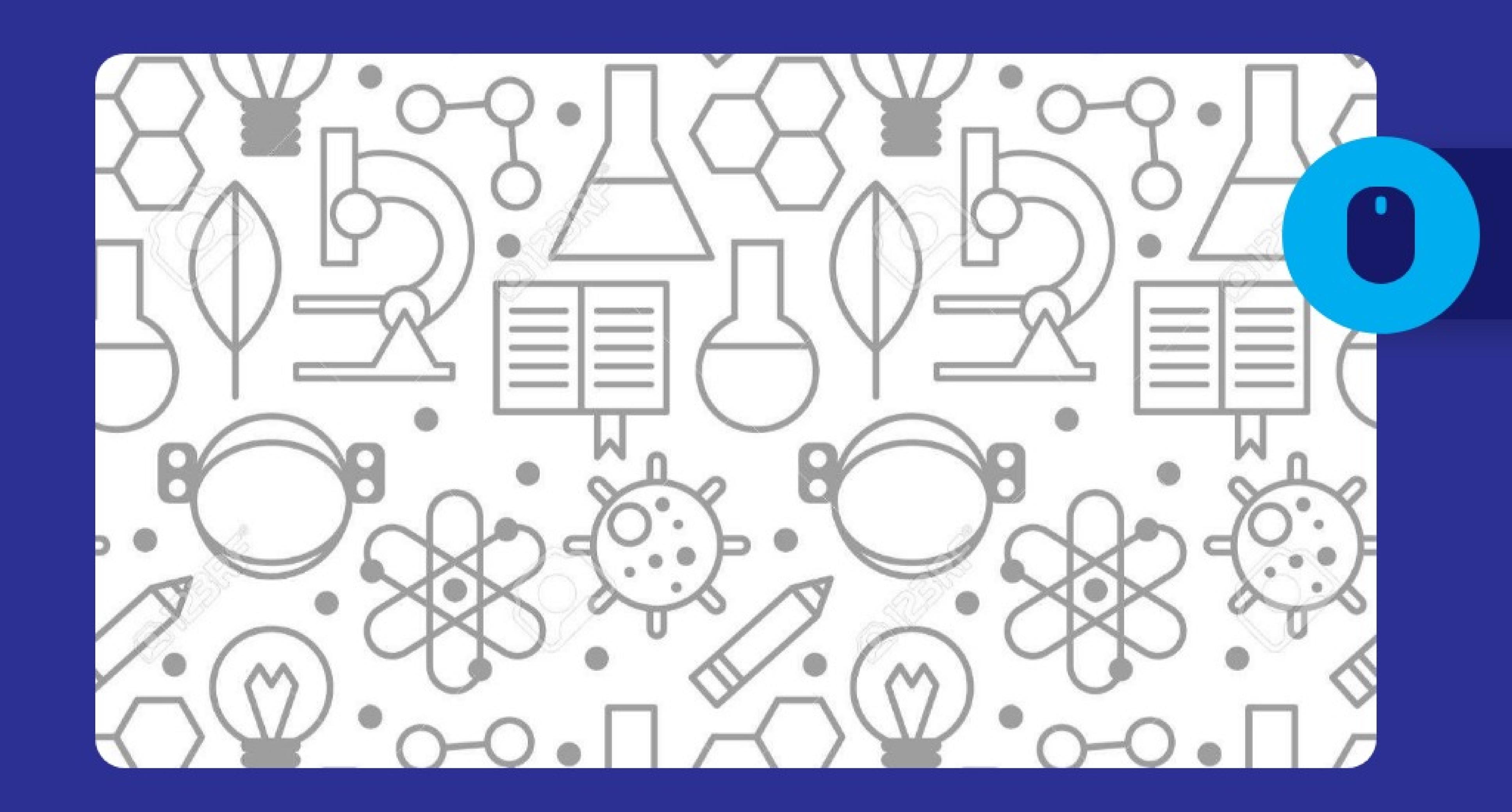
A condition in which different elements are equally proportioned



Friction

The resistance that one surface or object encounters when moving over another.





Pattern

A repeated decorative design.





Experiment

A scientific procedure undertaken to make a discovery, test a hypothesis, or demonstrate a known fact.

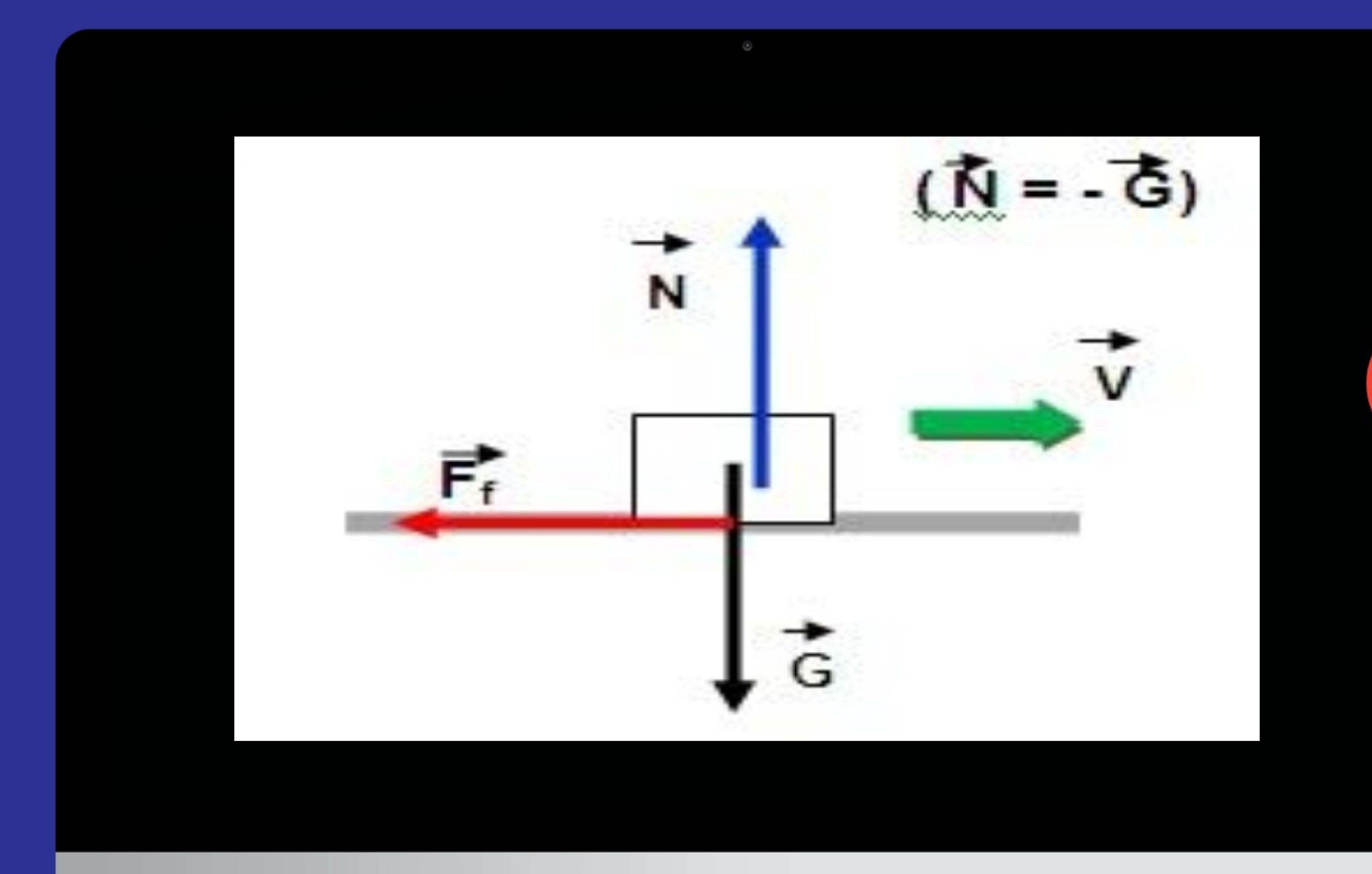


"Say or estimate that (a specified thing) will happen in the future or will be a consequence of something."

- Predict

"The action or process of observing something or someone carefully or in order to gain information"

-Observation



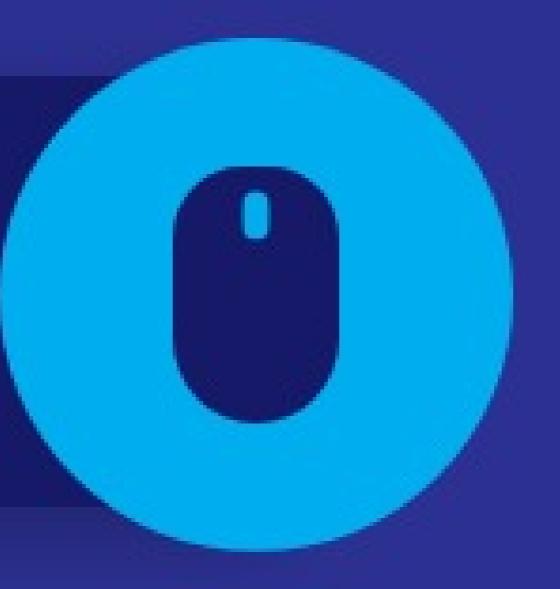


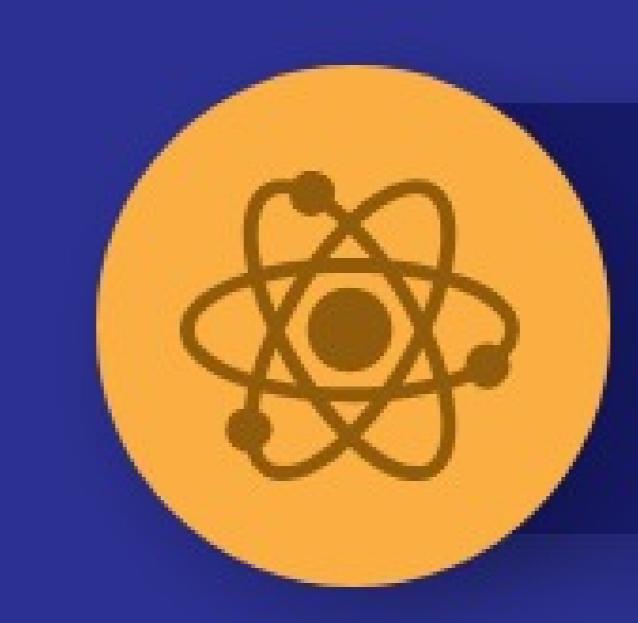
FORCE

Strength or energy as an attribute of physical action or movement.

+ INFO

Data





Design





Facts and statistics collected together for reference or analysis.

A plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.

"Something that gives rise to an action, phenomenon, or condition."

-Cause

"A change that is a result or consequence of an action or other cause."

-Effect



*** Cofinanțat prin programul Erasmus+ al Uniunii Europene