

Weisewelt Science Lab: academic science emulators

Interactive science · High school and university

Learn science through simulations, challenges, and visual experiments.

Weisewelt Science Lab brings Physics, Chemistry, Biology, Earth & Environmental Science, and university-level labs into an interactive, responsive experience for every device.

Start lab

Explore labs

$$F = m \cdot a$$

$$\text{pH} = -\log[\text{H}^+]$$

DNA → RNA → Protein

$$E = \frac{1}{2}mv^2$$

A visual, practical, and safer way to learn science

The emulator helps learners strengthen concepts, practice scientific reasoning, and visualize phenomena that usually require lab equipment or teacher guidance.

Available labs

Physics Lab

Motion, velocity, acceleration, forces, Newton's laws, energy, work, power, gravity, waves, electricity, and optics.

Cart Vectors Pendulum $x-t/v-t$ graphs

Chemistry Lab

Periodic table, atomic structure, chemical bonds, mole, molar mass, stoichiometry, reactions, acids, bases, and pH.

Molecules Balancing pH Periodic table

Biology Lab

Cell, organelles, DNA, RNA, proteins, mitosis, meiosis, Mendelian genetics, evolution, ecology, and preventive health.

Cell Genetic crosses DNA Ecosystem

Earth & Environmental Science Lab

Tectonic plates, water cycle, climate, ecosystems, pollution, renewable energy, climate change, natural risk, and sustainability.

Climate Water Ecosystem Energy

University Physics Lab

Advanced kinematics, dynamics, momentum, rotation, oscillations, electromagnetism, thermodynamics, waves, and

basic modern physics.

VectorsFieldsRotationEnergy

University Chemistry Lab

Equilibrium, thermochemistry, kinetics, electrochemistry, basic organic chemistry, nomenclature, spectroscopy, and mechanisms.

Titration3DActivationReaction

University Biosciences Lab

Cell biology, genetics, biochemistry, microbiology, physiology, basic epidemiology, public health, and lab methods.

MetabolismGeneticsCultureScientific case

Learning levels

FREE

Starter access with sample labs, basic challenges, and educational visualizations.

LITE

More topic challenges, hints, expanded explanations, and guided practice.

PRO

Learning path, downloadable report, advanced canvas, and assessment mode.

PRO Plus

Complete experience with university labs, extended analysis, and premium resources.

Interactive emulator

Choose a lab, solve challenges, and follow the educational canvas with visual models, graphs, and step-by-step explanations.

Educational use only. It does not replace real laboratory practice, official safety procedures, or specialized teacher guidance.

Turn science into a hands-on experience

Ideal for students, families, teachers, schools, and high school or university learning programs.

[Start now](#)

Weisewelt Math & Science Lab: interactive math and science academic emulators

MATH AND SCIENCE · HIGH SCHOOL AND UNIVERSITY

Weisewelt Math & Science Lab: interactive math and science academic emulators

Learn through interactive academic labs, original exercises, visual canvas output and challenges aligned with international competency-based learning.

A visual way to learn mathematics and science

Weisewelt Math & Science Lab transforms complex subjects into guided challenges, step-by-step explanations and visual learning experiences. The goal is not only to calculate, but to understand how knowledge is applied to real situations.

Algebra Lab

Equations, polynomials, factoring, radicals, exponents and logarithms.

Functions and graphs

Cartesian plane, domain, range, transformations and visual interpretation.

Geometry and trigonometry

Triangles, unit circle, Pythagorean theorem, areas, volumes and navigation.

Science Lab

Scientific method, physics, chemistry, biology and Earth science.

Suggested academic levels

- ISCED 3: high school or upper secondary education.
- ISCED 4/5: pre-university, technical or transition level.
- ISCED 6/7: university, undergraduate, engineering, specialization or graduate level.

Weisewelt: Exercises are original and designed to support international academic competencies without copying official programs.

Free, Lite, Pro and Pro Plus modes

The experience can grow from introductory exercises to advanced challenges with applications in engineering, economics, data, health, environment and artificial intelligence.

Plan	Focus	Content
Free	Guided introduction	Algebra, basic functions, school science and initial canvas output.
Lite	Structured practice	More challenges, extended feedback and contextualized problems.
Pro	Advanced application	Calculus, linear algebra, physics, chemistry and result analysis.
Pro Plus	University and professional level	Math for AI, data science, simulations and integrated scenarios.

Try the interactive lab

Choose a topic, solve the challenge, observe the canvas and compare your answer with the expected solution.

Academic learning for any device

The lab is designed for desktop, tablet and mobile. It can be integrated with Weisewelt blogs, courses, roadmaps, educational diagnostics and products by language and level.



Weisewelt NeuroCheck: visual orientation tool for neurodiversity and wellbeing

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□ Weisewelt NeuroCheck FREE · Premium Core

Visual orientative diagnosis for mental health, neurodiversity and wellbeing

Weisewelt NeuroCheck is an interactive screening and orientative diagnosis tool that helps identify signals related to mental health, neurodiversity, attention, anxiety, OCD, sleep, burnout, digital use and functional wellbeing.

It is designed for adults, parents and caregivers who want to observe initial patterns through a clear, visual, responsible experience based on domains recognized by studies, clinical guidance and international organizations.

- FREE phase enabled
- Gamification and visual dashboard
- Responsive mobile, tablet and desktop
- Private orientative result
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Clear, visual and actionable result

The result shows observed areas, pattern proximity percentage, interpretation, suggestions, roadmap and reference support.

Mental health

68%

Neurodiversity

61%

Sleep / focus

54%

How does it work?

The user answers visual and interactive questions. Each answer contributes signals by dimension, impact, persistence and context.

- Clear and friendly questions.
- Enabled module selector.
- Immediate result with downloadable PDF.

What does it consider?

It considers optional sex, life stage, occupation, functional impact, multiple contexts and signals by module.

- Adults, parents and caregivers.
- Balanced precision in FREE.
- Options controlled by shortcode.

What does it provide?

It provides an orientative report with proximity percentages, clear interpretation, initial suggestions, roadmap and references.

- Visual dashboard.
- Clarity gamification.
- Reference-based support.

Modules enabled in this FREE phase

On this page, the user can choose among the enabled modules to obtain a first orientative diagnosis. LITE, PRO and PRO Plus will be available soon with expanded reports and advanced follow-up.



MentalCheck Core

Depression, anxiety, stress, emotional wellbeing and functional risk.



NeuroCheck

ADHD, autism/ASD, executive functions, sensory sensitivity and learning.



Substance & Digital Dependence

Problematic screen use, social media, gaming and substance-related signals.



Burnout & Work Risk

Work stress, fatigue, mental load, burnout and psychosocial climate.



Anxiety & OCD Lab

Generalized anxiety, social anxiety, panic, phobias and OCD.



Sleep & Recovery Check

Insomnia, insufficient sleep, fatigue, recovery and sleep habits.

Important:

Weisewelt NeuroCheck provides a supportive orientative diagnosis and digital screening; it does not replace a medical, psychological, psychiatric or neuropsychological evaluation. If there are intense signals, self-harm risk, crisis, marked loss of functioning or significant impact on daily life, qualified professional support or immediate help is recommended depending on the situation.

Plan comparison

The FREE phase is already enabled. LITE, PRO and PRO Plus will be available soon with higher precision, more modules, expanded reports, history, roadmap and institutional features.

LITE / PRO / PRO Plus coming soon

Feature	FREE	LITE	PRO	PRO Plus
Status	Active	Coming soon	Coming soon	Coming soon
Modules	Mental Core, NeuroCheck, Digital, Burnout, Anxiety/OCD and Sleep	More detail by module	Advanced modules and follow-up	Clinical Triage and institutional use
Precision	Balanced	Expanded	High	High with institutional focus
Downloadable PDF	1–2 pages	2–4 pages	5–7 pages	8–10 pages
History	Not included	Optional local	Registered user	Multi-user and comparative

Feature	FREE	LITE	PRO	PRO Plus
Recommended use	First orientative diagnosis	User who wants more detail	Personal or family follow-up	Families, schools, companies, clinics and institutions

Percentages and results are orientative and depend on the user's responses. The tool is designed to support early detection and responsible decision-making.

Start your FREE orientative diagnosis

Select the module, answer calmly and download your orientative result. This FREE phase includes an enabled module selector and shortcode-controlled configuration.

FREE enabled

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