



Science Workshops for Children

Partnership Proposal for Schools and
Educational Institutions

New modules for 2025-2026



The
WHY-ology
Institute

Welcome!

- The first science workshops through experiential learning in Romania, since 2013
- Spectacular science experiments for children, using safe objects and materials
- 100% hands on, practical activities
- Direct involvement of children in their own experiments
- Our trainers are real scientists: chemists, physicists, medical doctors, biologists, pharmacists.



- **14 hands on available modules for schools in 2025- 2026!**

NEW



Eco & Green Energy – hands on STEM experiments about climate change, renewable energy, and sustainability.



Geography, geology, anthropology & archaeology – science experiments to explore Earth's structure, ancient human history, and archaeological methods using modern technologies like 3D scanning and AR/ VR.



I wanna be a doctor! – Step into the shoes of a doctor and discover how to care for your health through fun, hands-on activities on basic medical and health notions, including nutrition, anatomy and physiology.



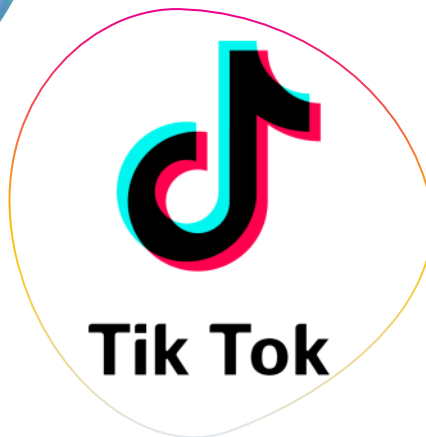
I wanna be a vet! – A hands-on journey into the world of animal care, where kids learn how to look after pets and wild animals, explore anatomy and common diseases, and discover how vets keep animals healthy.



Lotions & Potions - science experiments for “magic” substances and spells from movies, stories and games.



Food Science - Experiments using vegetables, fruits and sweets. Yummy science.



Tik Tok Science- cool science experiments
#trending on TikTok

Modules 2025 /2026



Wow Anatomy



Wow Astronomy



The Magic of Physics



Lights and Colours



Detective Science



Wow Lab Mix
“Distractie cu reactie”



Chemistry for Me

The experiments are customised to suit the ages and abilities of each specific group of children.

A group is made of a maximum of 12 children, with an age gap no larger than 1 or 2 years between them.

Eco & Green Energy



- We use hands-on STEM experiments to introduce children to climate change, renewable energy, and sustainability.
- Students explore key environmental topics like pollution, recycling, ecosystems, and energy by acting as young scientists. This module fosters scientific curiosity, critical thinking, and ecological responsibility.
- Duration: one school year, 36 workshops
- Recommended age group 6 – 12 y. o.
- Interdisciplinary approach, including physics, chemistry, engineering and ecology.



Example of experiments: greenhouse gas effect - capture CO₂ in water, make a cardboard wind turbine, build a solar panel with miniature cells, muddy water filtering, test water PH, build a terrarium in a jar, make paper in class using old newspapers, simulate acid rain, measure your personal carbon footprint.



NEW

- Science experiments and hand on projects to teach children basic notions on geography, geology, anthropology, and archaeology. Kids explore Earth's structure, ancient human history, and archaeological methods using both manual work and modern technologies like 3D scanning and VR. The program encourages teamwork, critical thinking, and curiosity about our planet and its past.
- Duration: one school year, 36 workshops
- Recommended age group 7 – 12 y. o.
- Interdisciplinary approach, including physics and chemistry.

Example of experiments: Make your own volcano, Simulate excavation methods, discovering and dating artifacts, Create earth layers in a jar using colored sand, pebbles, clay, Build a traditional dwelling like igloo, yurt, African hut, Build a compass and follow a treasure hunt with clues based on cardinal points and coordinate, Make a model of the Earth's layers: core, mantle, crust & simulate the movements of tectonic plates with pieces of cardboard, 3D scanning and digital modeling of artifacts.

I wanna be a doctor!



- Step into the shoes of a doctor and discover how to care of your health through fun, hands-on activities on basic medical and health notions, including nutrition, anatomy and physiology.
- Science experiments and practical activities to learn about how the human body works, how to make a simple clinical exam, immunology, first aid, nutrition, and how doctors help patients feel better every day.
- Duration: one semester, 18 workshops
- Recommended age group 6– 14 y. o.
- Interdisciplinary approach, including biology and chemistry.



Example of experiments: DIY Stethoscope, Heartbeat and Exercise, Lung Model in a Bottle, Skeleton in Motion, Germ Detective (Glitter Bug), Immune Army Craft, Bandage Practice on a Teddy, How to Call for Help (Emergency Role-Play), Simple Clinical Exam, Burns and Bumps – What to Do?, Petri Dish Bacteria, White Blood Cell Defense Game, Build a Balanced Plate (Food Group Sorting), Sugar Detective (How Much Sugar?), Digestive System Journey, Healthy Teeth Experiment

I wanna be a vet!



- A hands-on journey into the world of animal care, where kids learn how to look after pets and wild animals, explore anatomy and common diseases, and discover how vets keep animals healthy.
- Duration: one semester, 18 workshops
- Recommended age group 6 – 14 y. o.
- Interdisciplinary approach, including chemistry, physics and biology.



Example of experiments: Practice “vet check” with stuffed animals or plush toys: checking heart rate, eyes, ears, Use toy stethoscopes and thermometers, Simulate giving medicine using syringes without needles (e.g., measuring water), Practice bandaging a paw or wing (using doll or model), Animal Anatomy Basics: Build a simple paper or clay model of a dog or cat, A day in the life of a vet, Vet tools & their uses, Common Animal Ailments and How to Spot Them: Learn about fleas, ticks, colds, and minor injuries, Play simple symptom detective game with pictures and cards.



- Science experiments using edible materials such as vegetables, fruits and sweets. Bon appetite in the name of science!
- Duration: one school year, 36 workshops
- Recommended age group 7 – 12 y. o.
- Interdisciplinary approach, including physics, chemistry, and physiology



Example of experiments: edible luminous paint, egg crush test, candy molecules, fruit boats, infinite chocolate, fruit DNA, edible slime, lemon battery, dancing popcorn, potato battery, egg in a bottle, edible play dough.



- Cool and #trending science experiments for children. Inspired by the most watched science videos worldwide.
- A module for a new generation. Is there any cooler combination to spark and feed a young mind's interest for science?
- Each workshop refers to a specific video on TikTok.
- Duration: one semester, 19 workshops
- Recommended age group 10 – 14 y. o.
- Interdisciplinary approach, including physics and chemistry

Example of experiments: sodium alginate beads and worms, the bending fork, ghost fire, snowman poppers, sealing the bottle, "magic" lifting, the power of paper rolls, invisible fire, artificial snow, Bubble snakes , burning candle underwater

Lotions & Potions



- Science experiments revealing “magic” substances, phenomena and spells from movies, stories and games.
- See how science is connected to Harry Potter, the Disney stories, Minecraft, Addams Family, Marvel series and many more. Your magic wand is 100% science.
- Duration: one semester, 19 workshops
- Recommended age group 7 – 12 y. o.
- Interdisciplinary approach, including physics and chemistry

Example of experiments: Amortentia potion from Harry Potter, Wizard Brew, Fluorescent slime, Quicksand, 3D Hologram, Glowing water, Ghost Egg, Iodine clock reaction, Levitation potion from Minecraft



- Learn and show how the human body works and what it is made of
- Learn and deal with everyday accidents: playground injuries, home accidents and general important first aid knowledge.
- Duration: one semester, 19 workshops
- Recommended age group 10 – 14 y. o.
- Interdisciplinary approach, including biology, physiology, anatomy and basic medical practice

Example of activities: make your own stethoscope, heart auscultation, reflexes and reactions, the ears & the hearing test, build cells, organs and systems models: heart, lungs, kidney, hand, striated muscles, digestive system.

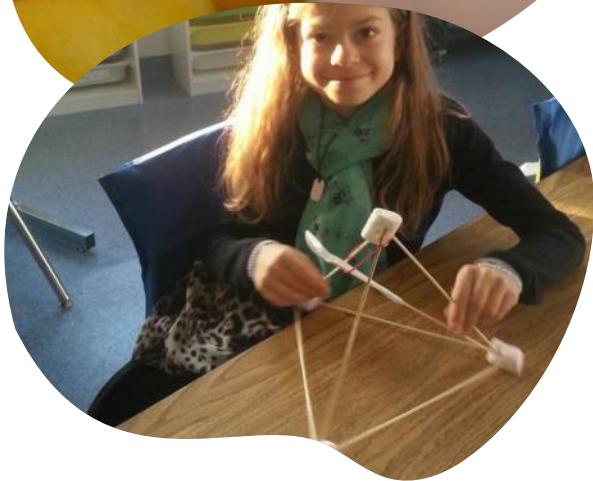
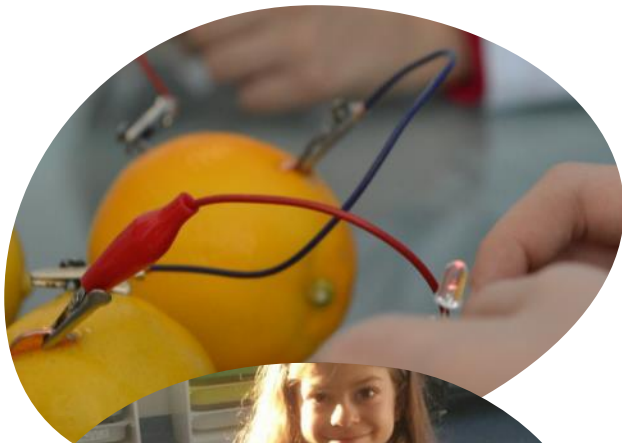




- The friendliest and most practical context to learn about the exciting cosmic space & recent discoveries and understand basic astronomy notions
- Duration: one semester, 19 workshops
- Recommended age group 6 – 9 y. o.
- Interdisciplinary approach of topics, including physics and math practice

Example of activities: Create models of the sun, moon, stars, planets, comets, galaxies. Delicious Moon phases with Oreo. “True like” moon craters with flour and cocoa. Why is the sky blue? Test and prove during the class using a glass of water and milk. Create your own 3D constellation, with boards and pebbles. Make a planisphere. Launch a rocket in space. Nebula in a jar.

Magic of Physics



- Physics is the science of matter, motion, and energy. Learn how the world works in a fun and hands-on way.
- Our experiments focus on how motion and energy work together and covers basic topics like gravity, inertia, acceleration, types of energies, how energy is made, magnetism and electricity. All with a Wow factor. Curious?
- Duration: one school year, 36 workshops
- Recommended age group 8 – 14 y. o.
- Interdisciplinary approach of topics, physics and math practice

Example of experiments: Water dome. Marshmallow catapult. Floating egg. Cloud in a bottle. Water dispenser. Homopolar motor. Egg drop inertia. Magnetic slime. Bernoulli's principle. Battery train. The compass. Aluminium and coal battery. Lemon electricity.

Lights & Colours



- A science module for an artist's soul. It covers both physics and chemistry experiments.
- This is the perfect place if you want to learn more about light, about the spectrum of wavelengths, to explore refraction and reflection and to create different colours with the help of chemistry. Ready for some fun, colourful science experiments?
- Duration: one semester, 19 workshops
- Recommended age group 6 – 9 y. o.

Example of experiments: Newton's colour wheel. Creating rainbows. Kaleidoscope. Chromatography flowers. Bending light. Flower pigments. Power of bleach. Crystal stars. Holograms. Burning colours. Glow in the dark bottle. Painting fabric. Light maze.

Detective Science



- This captivating and intriguing module gives children an exciting and stimulating context to learn science. It is not for the faint hearted, as you can imagine, hahaha 😊
- Children act as detectives using science to uncover mysteries through experiments. The practical activities are rooted in forensic science, which involves the application of scientific methods and techniques to matters under investigation by a court.
- Duration: one semester, 19 workshops
- Recommended age group 7 – 12 y. o.
- Interdisciplinary approach of topics, including physics, chemistry, anthropology

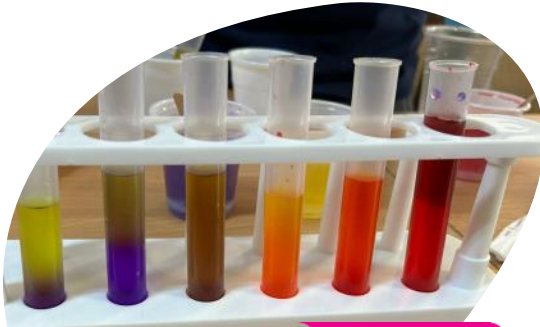
Examples of activities: Fibers and threads under the microscope. Types of fingerprints. Find Height with Footprints. Secret message with turmeric. Ink chromatography. Blood Spatter Patterns. Dental impression. DNA extraction. Forensic Anthropology. Fire extinguisher.



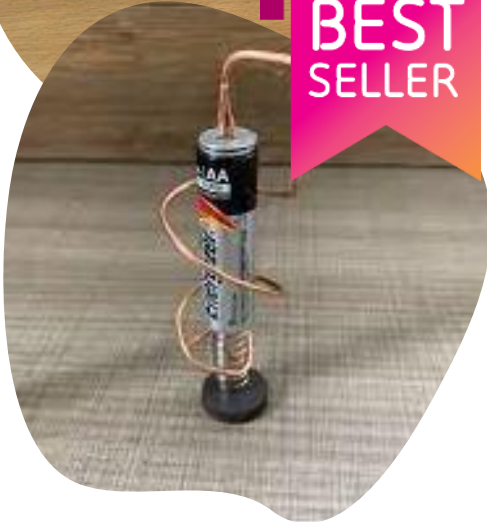
- This module offers the joy of learning the chemistry around the house, that helps us live a healthier life. The focus is on food and cosmetics.
- It requires a passion for living healthy, making smart choices, dedication to self-made creation and cosmetics DIY. It's all about getting your hands dirty in the name of science.
- Duration: one semester, 19 workshops
- Recommended age group 9 – 14 y. o.

Examples of activities: The starch test. Jelly science. The chemistry of lip balm. Soap and body wash. Making your own perfume. The chemistry of pigments. Testing proteins in food. The chameleon reaction. Casein plastic. Growing crystals.

Wow Lab Mix – Distractie cu Reactie



**BEST
SELLER**



- Wow Lab Mix brings you engaging sciences experiments and practical activities from several fields like chemistry, physics, biology, astronomy.
- Choose our best seller of all times and get a flavour of the most wanted experiments if:
 - Wow Lab is new to your school. Or you just have brand new groups.
 - You feel you have too many options and you want them all 😊
- Duration: one school year, 36 workshops
- Recommended age group 6 – 12 y. o.

Example of experiments: Elephant's toothpaste, Infinite chocolate, Frankenstein's hand, Fireproof balloon, Egg science, Water pump, Lava lamp, Rainbow in a tube, Square bubbles, Magic milk, Water dome, Fluffy slime, Non-Newtonian fluid.

Our Approach



- We offer the children starting 6 y.o. up to high school the joy of knowledge and fun through 100% practical science experiments in class.
- Team of scientists: chemists, physicists, medical doctors, biologists, pharmacists
- We provide top non formal STEM educational programs, continuously developing new modules.
- Interdisciplinary approach of subjects.
- Our experiments: chemistry, physics, astronomy, anatomy, biology, physiology, nutrition, palaeontology, anthropology, ecology.
- We teach in: English, French (native), Spanish (native), Romanian (native), German.

The learning process is based on the direct observation and involvement of children in their own practical experiments, not on theory.

Why should your students join?



Knowledge:

- To understand, recognise and use new scientific terms and concepts
- To complement the study of sciences in the formal education
- To learn and discover in a relaxed environment

Personal development :

- To stimulate their curiosity and develop the critical thinking, analysis and conceptualization skills through observing, understanding and explaining the effects of the experiments.
- To develop their personal competences, team and individual work.

Testimonials



International Schools and
Business Partners

Our Students



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Wow Lab, start-up de educație științifică prin experimente fondat de antreprenoarea Anca Tănăsescu, mizează pe o creștere de 50% a afacerilor în 2024

Print Mail

Autent: Cristiana Seiku 11.02.2024 14:42

Wow Lab, un start-up de educație științifică prin experimente fondat de antreprenoarea **Anca Tănăsescu**, anticipează o creștere cu 50% a cifrei de afaceri în 2024, la 600.000 lei.



+20,000

copii participanti

+150

parteneri
educationali

+11

ani de activitate

+200

experimente

+3,500

ore predate





See you in class!