

## OUR UNIQUE FEATURES



### SIMULATION DEPTH/ACCURACY

Every chemical reaction and process is accurately rendered, providing users with a true-to-life experience that mirrors real world laboratory conditions and risks.



### REALISTIC VR PHYSICS

Our platform's realistic physics engine ensures that each movement and interaction within the virtual lab closely replicates the physical feel and response, enhancing muscle memory and practical skill acquisition.



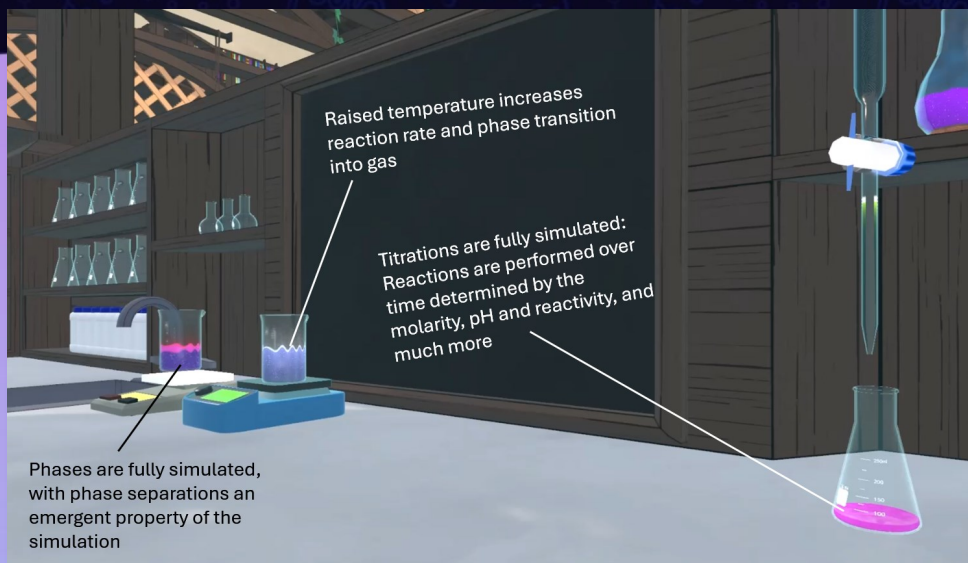
### AI ASSESSMENT

Elevate learning effectiveness with AI-driven assessment. Instant, detailed feedback on users' actions gives measurable improvements in learning ability and proficiency



## Simulation depth and accuracy

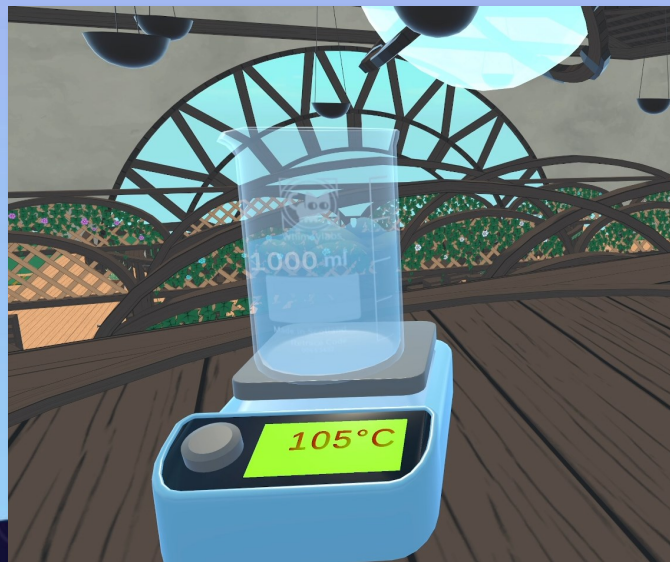
Introducing a paradigm shift in scientific learning. Our immersive virtual laboratory offers a cost-effective, scalable solution. Our unmatched simulation accuracy not only positions us at the forefront of scientific education, it also provides curious minds with a playground to test their skills and knowledge, opening up the lab to more possibilities, curiosity and learning.



**Deep Dive into Science:** Welcome to a new era of science exploration! Our platform brings the lab to your VR headset, your computer screen or mobile phone. Dive deep into the world of science without the risks and costs. Perfect for curious minds, from students to hobbyists, making learning science an adventure!

**Built To Run Anywhere:** Whimsylabs supports a variety of devices from desktops to mobile phones, ensuring high-quality educational experiences are accessible everywhere. Our platform is optimized for low-cost VR devices like Meta's Quest 2 and runs on Chromebooks, making advanced learning accessible on almost any device.

**Freedom to Play and Learn:** Speed up your science skills with realistic lab simulations, giving the student the freedom to fully play in our simulated sandbox, and approach problems from individual experimental design.



**Build your own experiments:** Our software lets teachers build their own experiments, defining the chemical and equipment available to students as they progress through learning. Giving teachers back control of their own labs.

**A fully STEM lab:** Our software simulates labs in physics, chemistry and biology all in one, providing representation and interactions between all laboratory disciplines.

Contact: [enquiries@whimsylabs.ai](mailto:enquiries@whimsylabs.ai)

## Realistic VR physics

Whimsylabs stands alone at the intersection of virtual reality and authentic physical simulation. Our state-of-the-art VR platform is the first to offer liquid physics simulations as part of the software, complete with a realistic sense of weight and resistance for all objects within the virtual environment. This pioneering approach to simulation delivers an unparalleled level of realism that transforms lab based learning, significantly enhancing muscle memory development and practical skill acquisition.



**Physics Like Never Before:** Jump into a world where virtual experiments feel real! Our platform is your ticket to understanding science in action, from the splash of liquids to the balance of scales.

**Superior Learning Outcomes:** The immersive experience of realistic physics trains not just the mind but the body, giving hands-on experience that closely mirrors real-world operations, leading to higher competence and proficiency.

**Safety Meets Science:** Training with our VR platform embeds critical procedural knowledge and fosters a safer mindset, which can lead to a reduction in accidents and associated liability costs when the student enter a physical lab.

**More Possibilities in the Lab:** Say hello to a wider range of lab equipment! Our simulations reduce costs and the need for physical materials, and provide access to cutting edge technologies unavailable to schools.

**Social Commitment:** Our software prioritizes affordability, focusing on accessibility for schools. We offer grants and discounts to pupil premium schools, helping level the educational playing field, and providing high-quality resources to those who might otherwise be left behind.

## AI Tutor and Assessor

We're redefining health and safety training with our cutting-edge AI Assessment feature: the first of its kind to bring intelligent analysis to virtual training environments.

**Direct One To One Tutoring:** Our AI provides direct tutoring support to students directly in the lab, helping them understand and ask questions about procedures they're working through, providing support even during homework .

**Ready to use out of the box:** Our platform leverages advanced AI and a user-friendly web interface, eliminating the need for training for staff, providing no additional or hidden costs or training overhead to our software.

The screenshot shows the Whimsylabs Dashboard with a sidebar on the left containing links for Sessions, Active, Messages, Students, and Settings. The main area is titled 'Session overview' and features a search bar, filters, and export options. Below is a table with columns for Name, Status, Lab, Date, and Score.

Name	Status	Lab	Date	Score
JC Denton	Complete	Condensation Reaction	22 Feb, 2024	3
Ash Ketchum	Complete	Condensation Reaction	22 Feb, 2024	4
Harrier Du Bols	Complete	Condensation Reaction	22 Feb, 2024	5
Guybrush Threepwood	Complete	Condensation Reaction	22 Feb, 2024	6
Alyx Vance	Complete	Condensation Reaction	22 Feb, 2024	6
Samus Aran	Complete	Condensation Reaction	22 Feb, 2024	7
Laura Croft	Complete	Condensation Reaction	22 Feb, 2024	8
Frank West	Complete	Condensation Reaction	22 Feb, 2024	9
Mario Mario	Complete	Condensation Reaction	22 Feb, 2024	9
Bowser Koopa	Assigned	Condensation Reaction	22 Feb, 2024	9

**Real-Time Feedback and Grading:** The AI-driven assessment delivers immediate feedback on student performance. Providing teachers with a quick or detailed breakdown per student, freeing up time for teachers and providing grading on a curve.

**Predictive Risk Analysis:** Our AI algorithms can predict and analyse potential risk scenarios, providing foresight and training to prevent accidents before they happen. Teaching students the potential risks of their approach, and letting them improve and learn from their mistakes.

**Student approved:** Our software provides a sandbox for students to put their knowledge to the test, meaning we're not just educational, we're also fun!