

Entorchados / Hydrological



((( Hidrológico )))

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[www.entorchados.net](http://www.entorchados.net)

Theoretical and practical workshop on the anomalies and qualities of the water molecule.

Water is a very simple substance but with very complex properties it is the only which is in three states simultaneously, solid, liquid and gas, this being fundamental for the hydrological cycle. In its solid state, it is less dense than in its liquid phase, thanks to this anomaly life is possible on planet earth. The heat of the sun evaporates the molecules that rise in the atmosphere forming clouds, the atmosphere is our hydrosphere, the living organisms are submerged in water, Most of the mass of water is in liquid form in oceans seas, lakes, springs and underground rivers, another in the form of crystal frozen in glaciers and poles, and an important part as gas and steam. Biological organisms constantly exchange water molecules, which are not destroyed, they only pass from one state to another. The human organism constantly replaces its molecules. 70% of the body's volume is water molecules. These molecules were once part of the cloud, glacier, plant, dinosaur, shark, fungus. water that has been from the beginning that was synthesized on the planet There are four fundamental forces of the universe: gravity, electromagnetism, the strong and weak nuclear force. In free fall the water forms Drops, spheres of water that are formed by the gravitational forces, the properties of the molecule are partly by their electromagnetic polarity and it is speculated that other of their anomalies are related to quantum processes in the nucleus of the atoms

goals:

We will review different historical hypotheses and mappings of science, philosophy, mysticism and art, on the relevance of water in nature and society. In the workshop, we will build electronic circuits with the winding technique to perform experiments on the physical, chemical and electromagnetic properties of water.

Transdisciplinary, theoretical, practical and speculative workshop on the water molecule and super forces of nature, sensitize participants about the subtlety of the water molecule and the immense relevance of its properties for existence, we will perform experiments such as: diamagnetism, cymatics, electrolysis, Joe Cell, underwater plasma, ultrasonic nebulizers, hydrophones, Schumann resonance, gravitation, pre amplification and electrical conduction.

Construction of a retinal persistence luminous device to experiment with gravity. We will build an electronic amplifier for Cymatics experiments and coalescence. Construction of a preamplifier and a hydrophone, electrolysis experiments, ultrasonic nebulizers, cavitation and sonoluminescence

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Construction of a retinal persistence luminous device to experiment with gravity. We will build an electronic amplifier for Cymatics experiments and coalescence. Build a preamplifier and a hydrophone, electrolysis experiments, ultrasonic nebulizers, cavitation and sonoluminescence.

Materials, Trim Kit

Minimum of 10 students

Interest in the water molecule, conducting experiments, transdisciplinary speculation, Construction of mechanical and electronic devices.

Duration: 20 hours / 5 sessions of 4 hours each

Needs: Kit to build electronic devices.

Salon well lit, projector or screen 40 inches

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teacher:

Arcangelo Constantini. Artistic inventor, technological hacker. During the last 15 years he has specialized in the research of the water and energy molecule, building machines and artistic devices to experiment and speculate on its anomalies and properties. which has been exhibited in Mexico and internationally. He has won prizes as the first prize at the Festival Interferences, France. The Life Support 11, The Rockefeller / Macarthur Foundation Scholarship, Papiam Scholarship, National Site of art creators  
[www.arc-data.net](http://www.arc-data.net)

Among other spaces, the workshop has been carried out among other places

- Bogota Robotics: Bogotá Colombia Platform
- Diplomado 7 CMMAS Morelia Michoacán
- Museum Universitario Del Chopo
- Museum of Contemporary Art Oaxaca
- Cruces Sonoros Cultural Anilla Museum of Contemporary Art Santiago de Chile
- Diplomated Sound Art Border Cultural Center
- MAMM Museum of modern art Medellin
- Center Cultural Spain Mexico
- MAZ Zapopan art museum

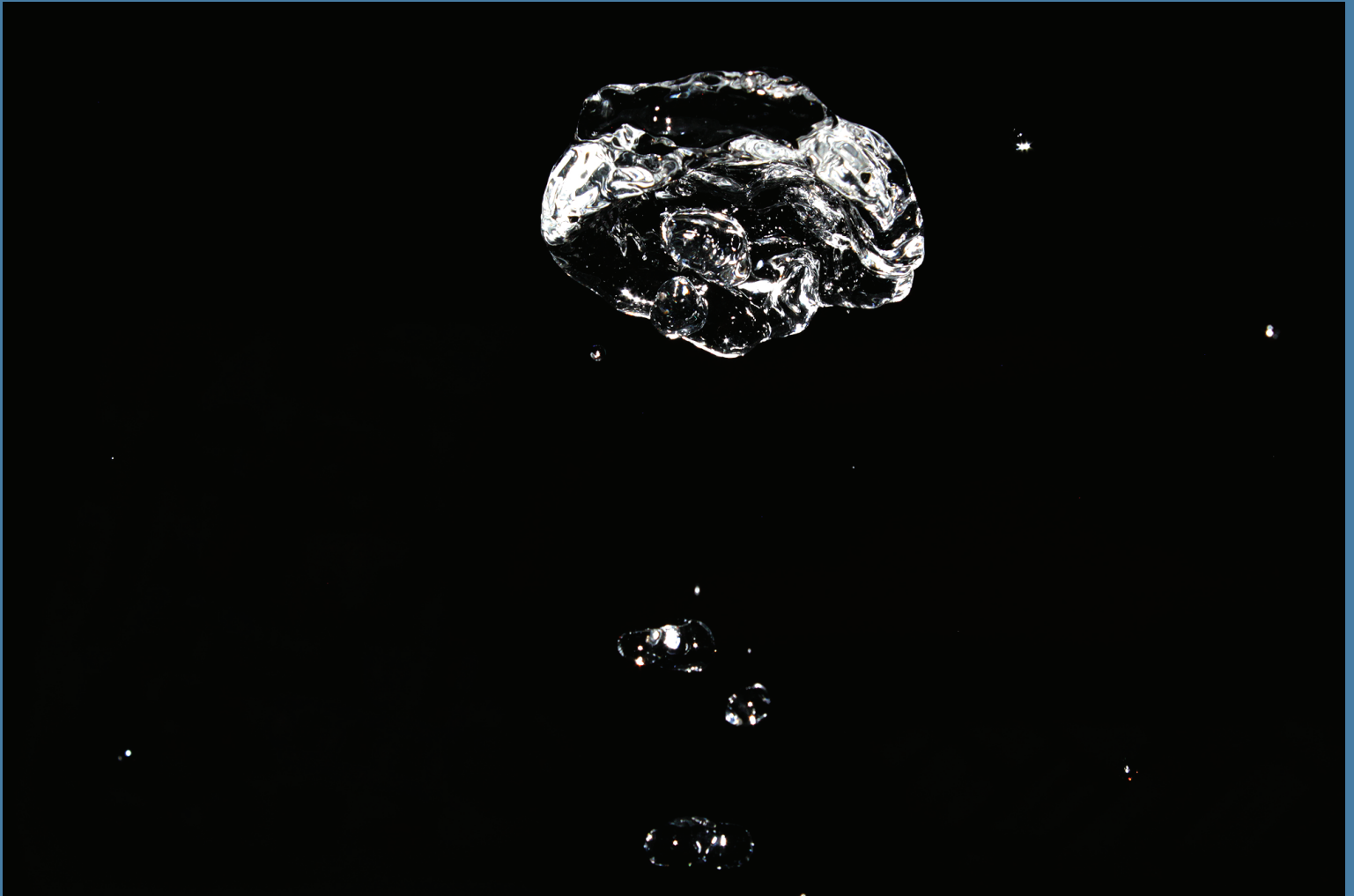
Entorchados.net authoritative wire wrap workshop

Wire Wrap is a technique in disuse but not obsolete. It was paramount for the pioneers of Engineering in the design and construction of electronic circuits. The workshop seeks to reactivate the use of this technique and tools to build permanent prototypes of electronic circuits. With this technique, no chemicals are used to reveal plates and the use of soldering irons is minimized with its excesses of smoke and heat, saving energy resources for the benefit of the environment. The Torsion technique is simple, logical and precise, once it is known can build any circuit that has the schematic. The design of the electronics of the first satellites and spacecraft that reached the moon was using this technique. The prototypes can be permanent and also modified. There are many schematics open on the internet for a number of electronic circuits. Entorchado is a workshop in which you will learn the principles of electronic functioning and symbology of the components, schematic reading and construction of sound circuits with which you will acquire theoretical and practical knowledge for experiment empirically with DIY electronics (do it yourself) The workshop learning curve is Quick and Intuitive. The workshop will deal with the reading of symbols of the electronic components and the meaning of the schematic designs, function of the resistors, capacitors, diode transistors, integrated circuits, frequency, signal, waveform, ohm law, we will use this technique in the construction of some electronic sound circuits, such as an analysis of tools and techniques, that allow self-learning in the construction of different analog and digital electronic systems for use in artistic experimentation, a technique that seeks to provoke self-taught knowledge in electronics. there is a large number of schematics for all types of electronic circuits. Aimed at all public with interests in the current developments of art, technology, and DIY, basic knowledge or electronic media are required

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*simulador de caída libre y fuerzas gravitatorias  
exposición: La gravedad de los asuntos  
Laboratorio Arte Alameda  
[arc-data.net/espherica/](http://arc-data.net/espherica/)*

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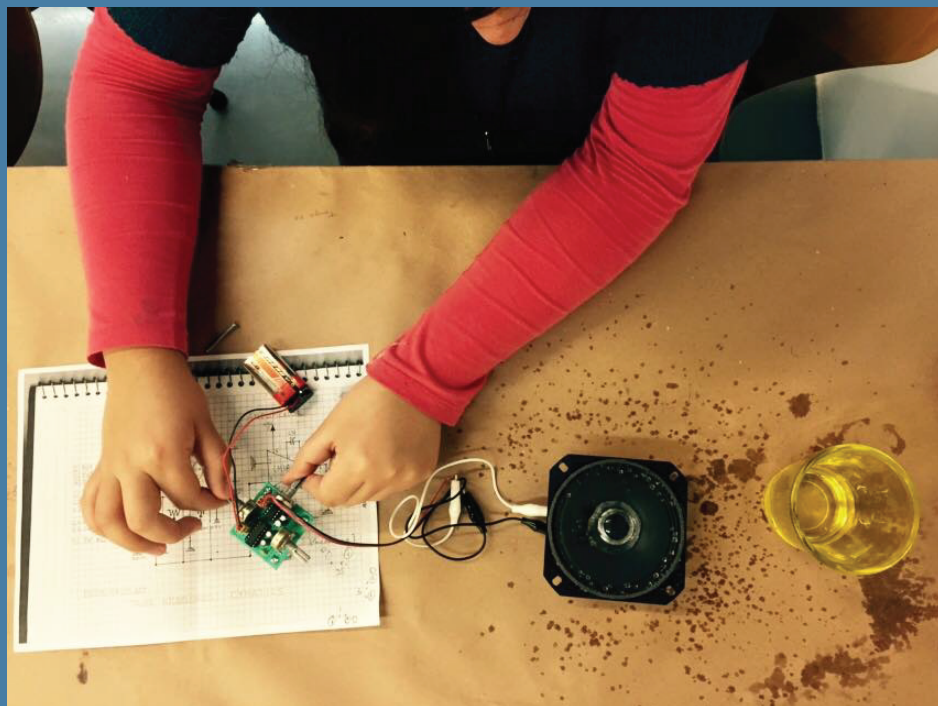
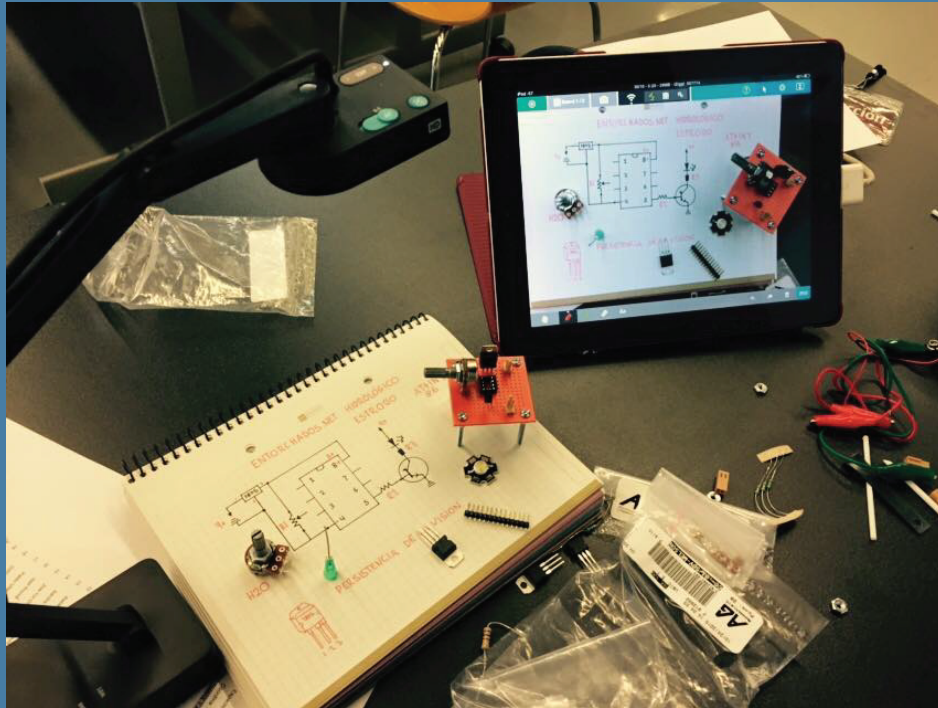
*kits para armar circuitos electronicos*



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Taller Entorchados / Hidrológico

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