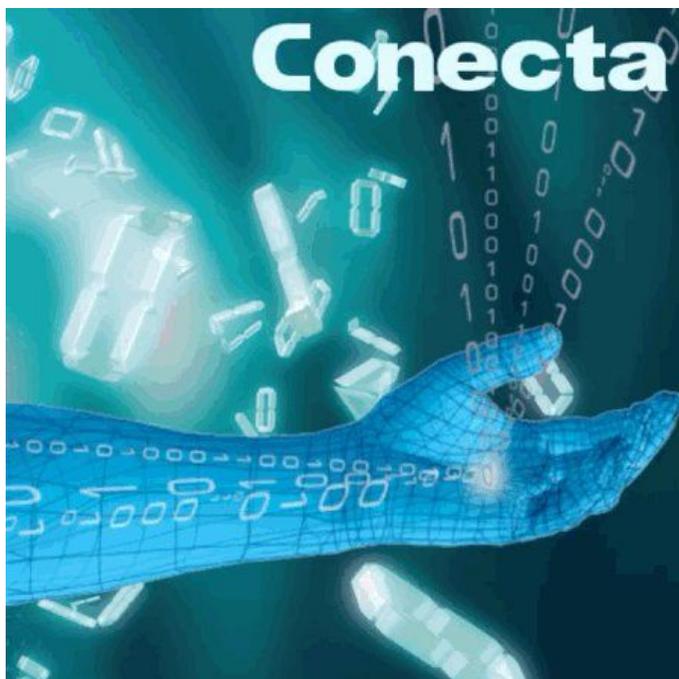


# Marqués Sostenible

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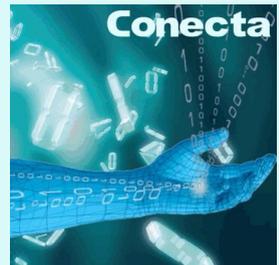
**Proyecto de centro**

**Alumnado de distintos cursos**

**Marqués Sostenible**

**Profesores de distintas materias**

**Del aula a la realidad**



# CTMA 2º Bachillerato

ENERGÍA CONSUMIDA EN EL INSTITUTO

Hola, MAESTRANA. Cuando envíe este formulario, el propietario verá su nombre y dirección de correo electrónico.

\* Obligatorio

1. ¿A qué curso perteneces? \*

- 1º ESO
- 2º ESO
- 3º ESO
- 4º ESO
- 1º BACH
- 2º BACH

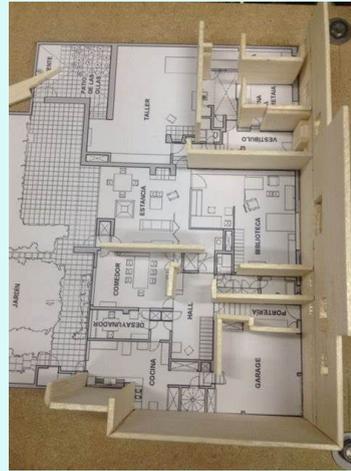
2. ¿Las luces de tu clase están siempre encendidas? \*

- Si
- No
- No sé

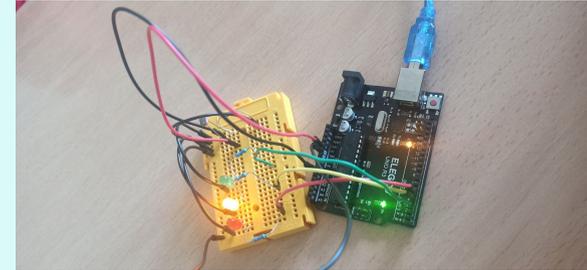
3. ¿La pantalla digital de tu clase está siempre encendida? \*

- Si
- No
- No sé

# Tecnología 3º ESO



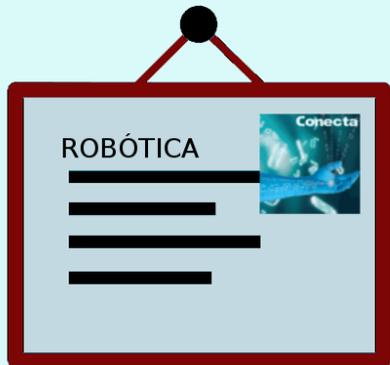
# Control y Robótica 3º ESO



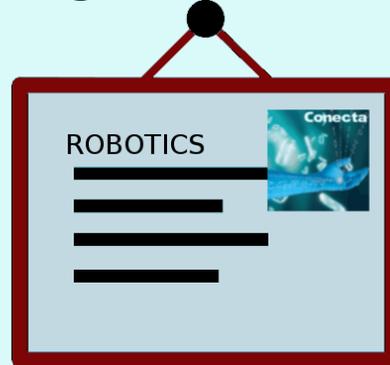
# Programación 4º ESO



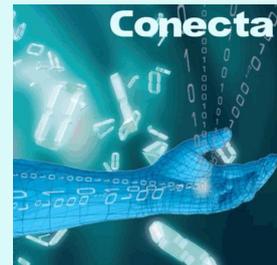
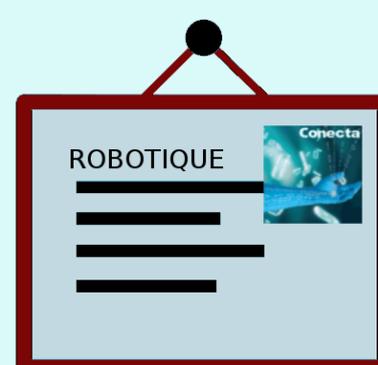
# Lengua 2º ESO



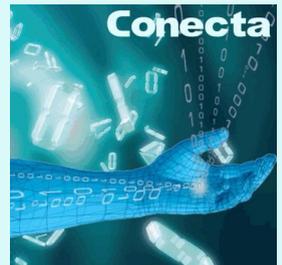
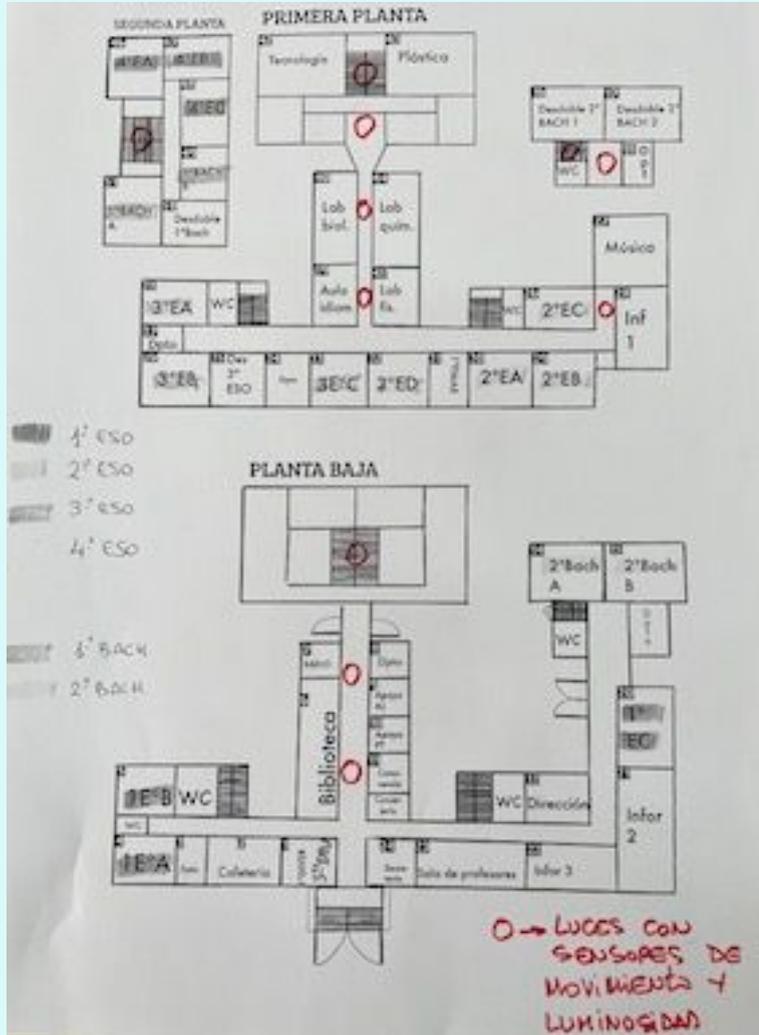
# Inglés 2º ESO



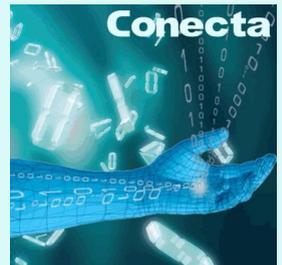
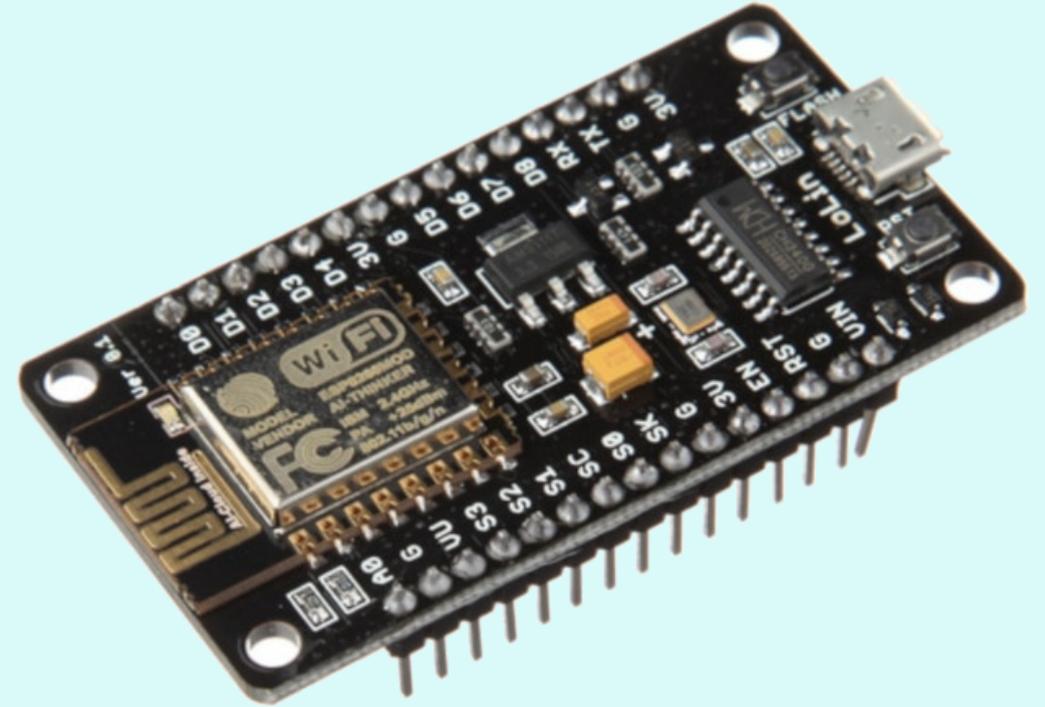
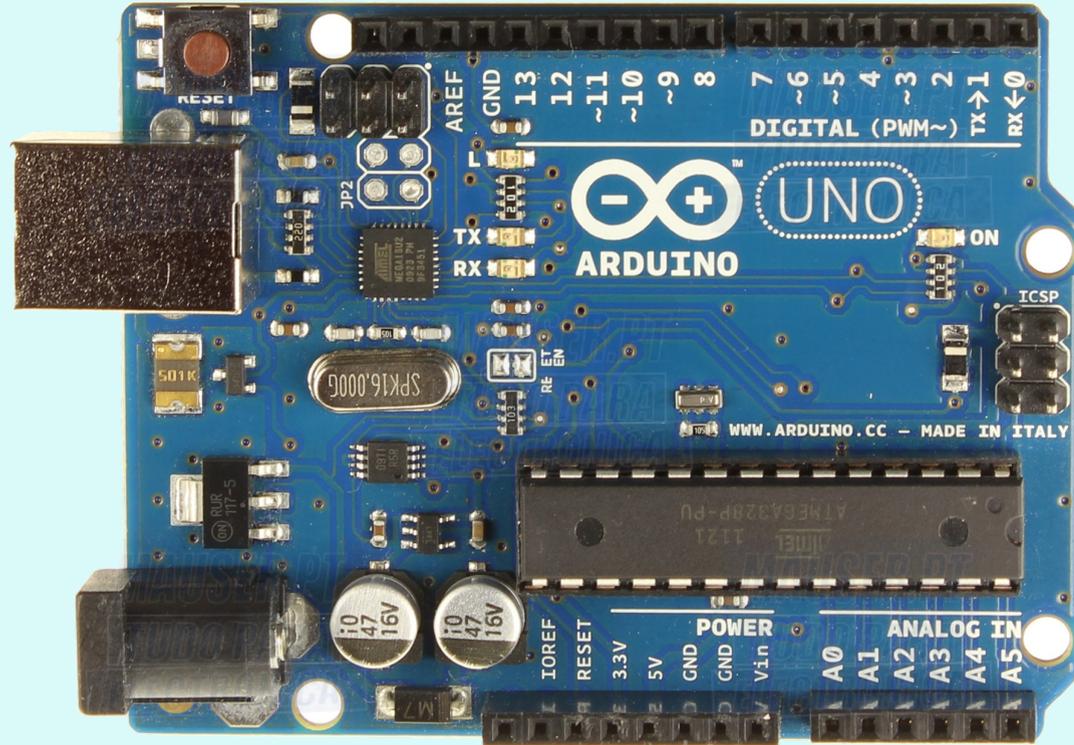
# Francés 2º ESO



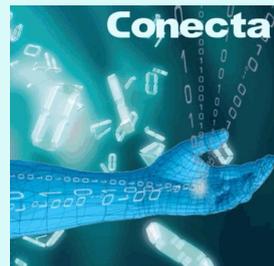
# Secretaría



# Robótica



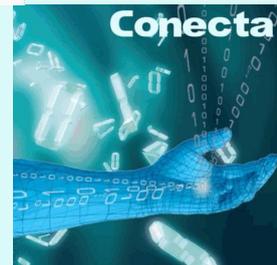
# Robótica



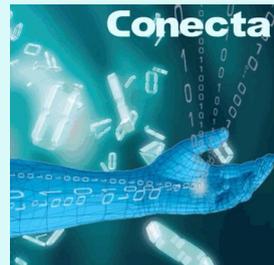
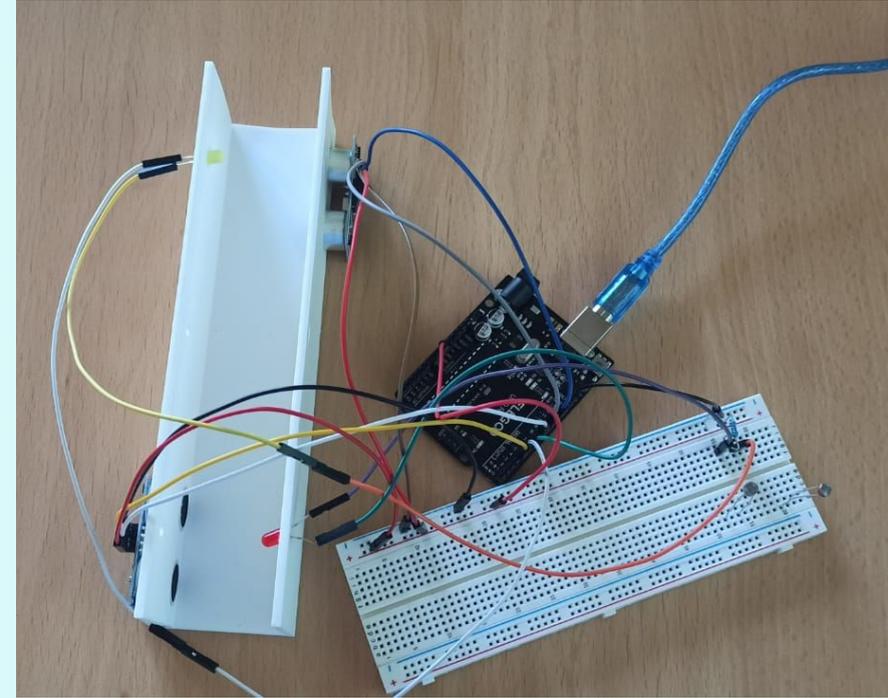
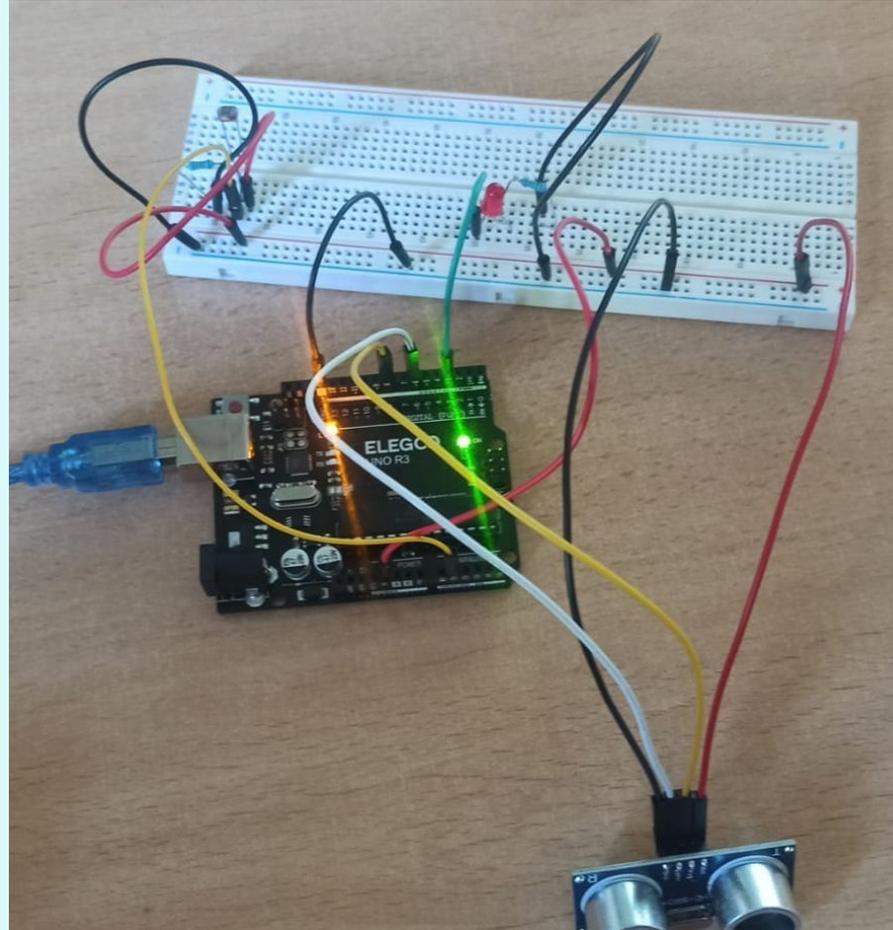
# Robótica

The screenshot displays the Arduino IDE interface for a project titled "Led ldr y ultrasonido". The top status bar indicates "Se han guardado todos los cambios." and shows the "Hora de simulador: 00:00:20.762". The main workspace is divided into three sections:

- Hardware:** A virtual breadboard simulation showing an Arduino Uno R3 connected to an LDR sensor module and an ultrasonic sensor module. Wires connect the sensors to the Arduino's digital and power pins.
- Code Editor:** A block-based code editor with a legend for block types: Salida (blue), Entrada (purple), Notación (grey), Control (orange), Matemáticas (green), and Variables (pink). The code includes:
  - defining pins 0 and 3 as outputs (ALTA).
  - defining pin 3 as input (0).
  - giving servo motor pin 0 a range of 0 to 180 degrees.
  - reproducing sound on pin 0.
  - deactivating the speaker on pin 0.
  - printing "hello world" to the serial monitor.
  - defining an RGB LED on pins 3 and 6.
  - configuring the LCD display type to I2C.
- Block Editor:** A block-based code editor showing a "si" (if) block with a "siempre" (always) loop. The code reads an analog value from pin A0 (scaled by 150) and compares it to a threshold of 60. If the value is greater than 60, it sets pin 2 as output (ALTA) and pin 2 as output (BAJA).



# Robótica



# Robótica

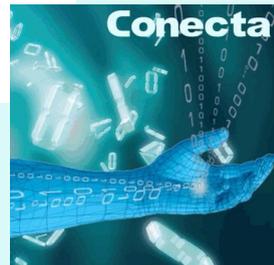
arduinooblocks | Buscar proyectos | Proyectos | Recursos | ES

Bloques | Información | Archivos | UNO | Sensor de distancia, ldr y led

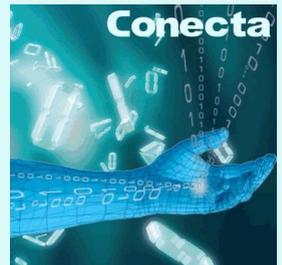
- Lógica
- Control
- Matemáticas
- Texto
- Variables
- Listas
- Funciones
- Tiempo
- Entrada/Salida
- Sensores
- Actuadores
- Motor
- Periféricos
- Visualización
- Comunicaciones
- Tarjeta SD
- Memoria
- Domótica

**Bucle**

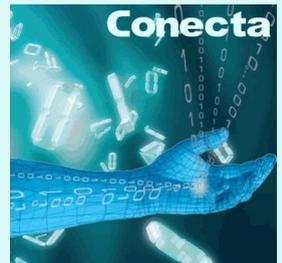
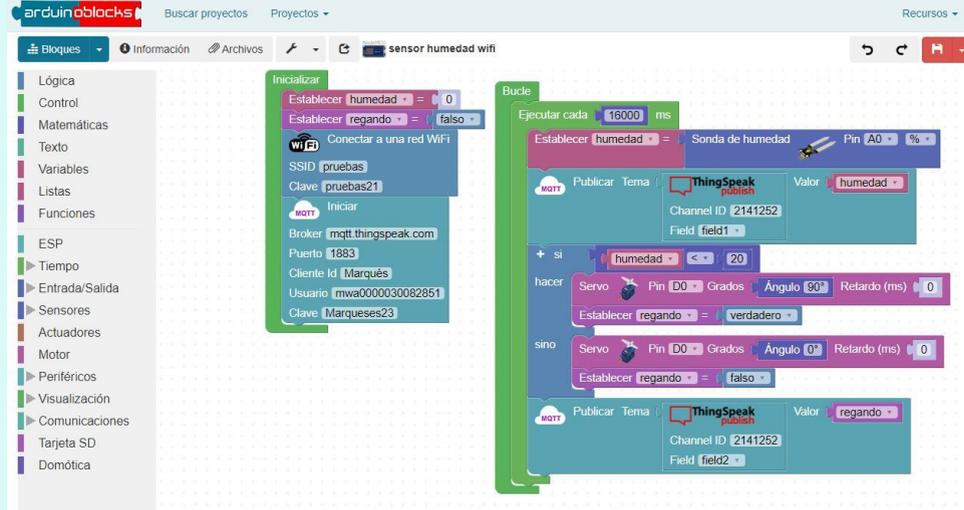
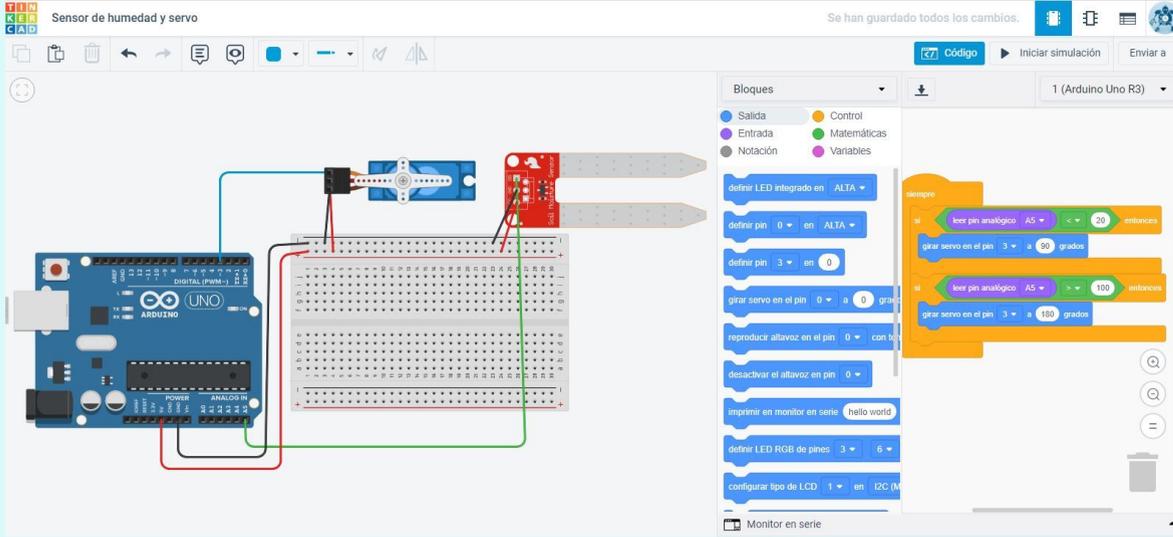
- + si**
  - Nivel de luz (LDR) Pin A0 0..1023 < 150
  - hacer**
    - + si**
      - Distancia (cm) [Trigger] 8 [Echo] 9 < 20
      - hacer** Escribir digital Pin 2 ON
      - sino** Escribir digital Pin 2 OFF
    - sino** Escribir digital Pin 2 OFF



# Robótica

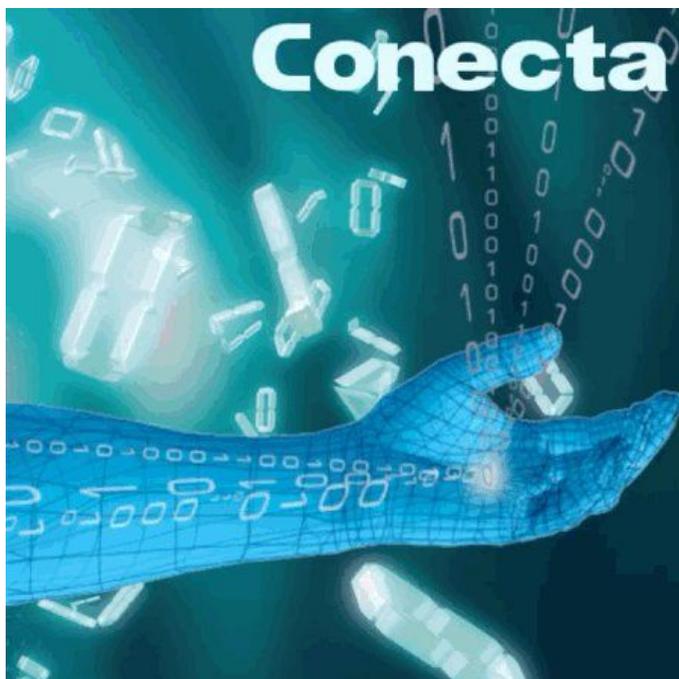


# Futuro



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**¡Muchas gracias!**