

C528B + U23B

Arduino Starter Set

200-Page Learning Manual

Project-based learning with simple step-by-step fully illustrated colour manual.

Build 50+ Fun Projects

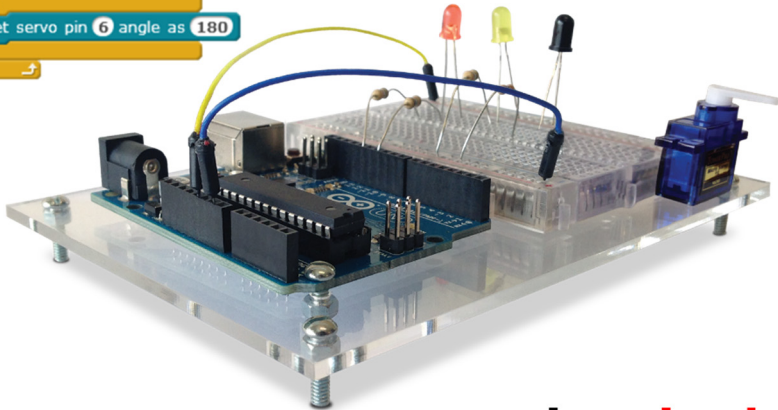
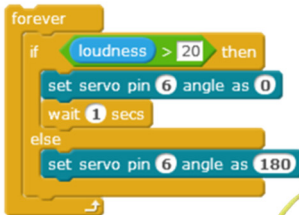
Mood lighting, digital thermometer, Theremin, laser-guided rubber-band gun, wave switch, and more.

100+ Components and Modules

Ultrasonic transceiver, servo motor, IR receiver, temperature sensor, and more.

Complete Lesson Plan

Hands-on experience in embedded system, graphical programming, and basic electronic circuits.



ch**ym**baka

List of Projects

1. Arduino Board & mBlock
2. Strobe Light
3. Mood Lighting
4. Rainbow
5. Blockly
6. Conductivity
7. Digital Input
8. Tilt Alarm
9. Using Variables
10. Motor
11. Millions of Colours
12. Servo Motor
13. Schematic
14. Analogue Input
15. Light Sensor
16. Conductivity Tester
17. Light Dimmer
18. Music Player
19. Standalone Music Player
20. Proximity Alarm
21. Theremin
22. Review
23. Digital Thermometer
24. Infrared Remote Control
25. System Sensor
26. Temperature Logger
27. Height Measurement
28. Toggle Switch
29. Game Control
30. Virtual Dashboard

List of Challenges

1. Resistor Values
2. Assembling a Circuit
3. Clap Switch
4. Wave Switch
5. Origami Lamp with a Colour Wave Switch
6. Newton Disc
7. Rubber-Band Gun with Servo Motor
8. Laser-Guided Rubber-Band Gun
9. Electronic Dice
10. Sound Level Bargraph
11. Basic Strength Meter
12. Arcade-Like Strength Meter
13. System Sensor with Display
14. Standalone Single Tone Generator
15. Standalone Variable Pitch Generator
16. Laser Beam Alarm
17. Light Intensity Meter
18. System Sensor with Display
19. Fading LED
20. Fading LED with a Clap Switch
21. Standalone Stroboscope
22. Light Intensity Bargraph
23. Light Intensity Dial
24. Light Intensity Plot

Content of Set

Manual

- Level Up! 1

Project Board

- Arduino compatible 1
- Breadboard 1
- Perspex 1
- USB cable 1
- Bolt and nut 8

Sensors

- Ultrasonic transceiver 1
- IR receiver 1
- Tilt sensor 1
- Temperature sensor 1
- LDR 2

Actuators

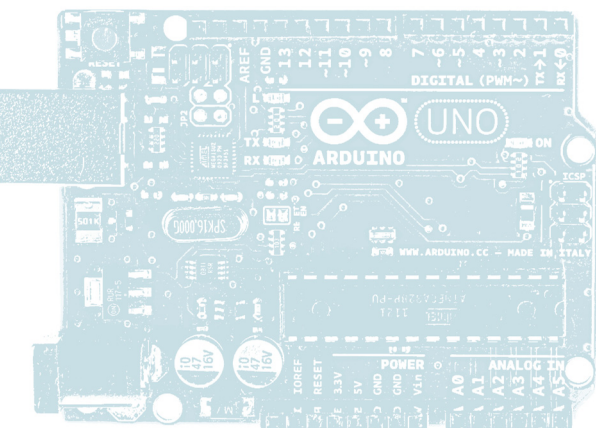
- Servo motor 1
- Speaker 1
- Push button 4
- Potentiometer 1
- DC motor 1

Components

- Tri-colour LED 2
- LED 9
- Laser LED 1
- Capacitor 4
- Resistor 29
- Diode 1
- Transistor 1

Others

- Battery adapter 1
- Crocodile cable 4
- Jumper wire 23





STAY CURIOUS

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This product contains small parts
that may present a choking hazard
to children under the age of 3.



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