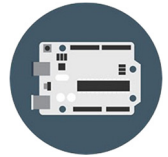


C528A + U23A



EMBEDDED
SYSTEM

Arduino Starter Set

130-Page
Learning Manual

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

Build 40+
Fun Projects

*Mood lighting, digital
thermometer, theremin,
digital ruler, wave
switch, and more.*

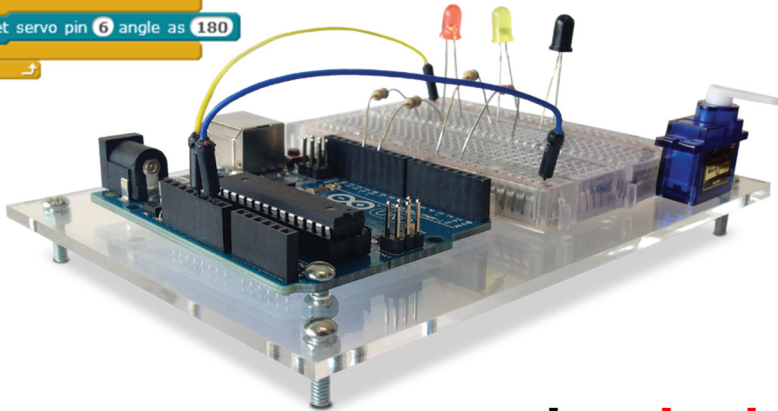
60+ Components
and Modules

*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.*

```
forever
  if loudness > 20 then
    set servo pin 6 angle as 0
    wait 1 secs
  else
    set servo pin 6 angle as 180
```



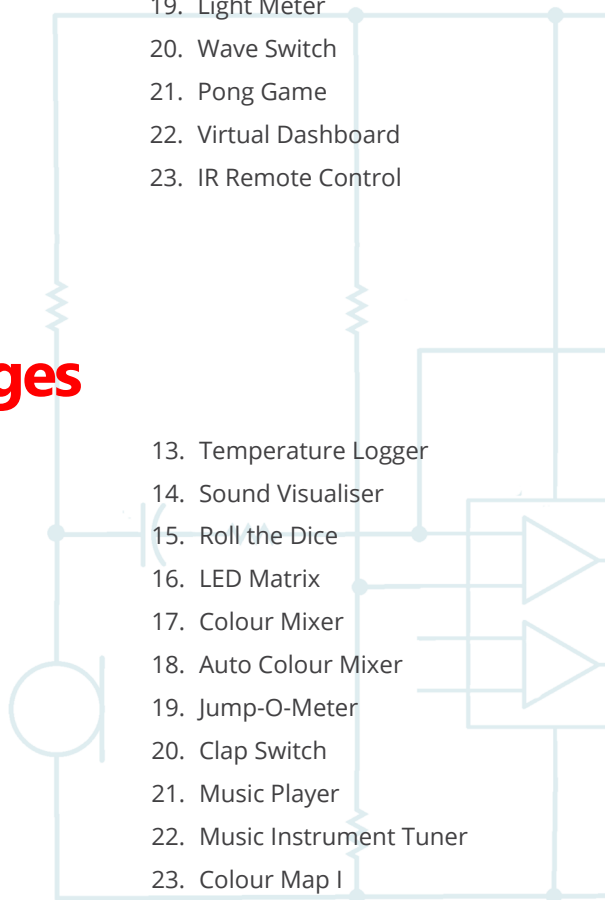
ch**ym**baka

List of Projects

1. Breadboard & mBlock
2. Strobe Light
3. Running Light
4. Mood Lighting
5. Servo Motor
6. Egg Timer
7. Sound Control
8. Basic Circuit
9. Pot Control
10. Night Light
11. Digital Thermometer
12. Digital Ruler
13. Theremin
14. Light Dimmer I
15. Light Dimmer II
16. Simple Switch
17. Toggle Switch
18. Autogate
19. Light Meter
20. Wave Switch
21. Pong Game
22. Virtual Dashboard
23. IR Remote Control

List of Challenges

1. Music
2. Music with Light
3. Festive Lights
4. Tech Art
5. Flasher
6. Schematic
7. Police Siren
8. Strength Meter
9. Touch Switch
10. Reverse Sensor
11. Height Indicator
12. Sonar
13. Temperature Logger
14. Sound Visualiser
15. Roll the Dice
16. LED Matrix
17. Colour Mixer
18. Auto Colour Mixer
19. Jump-O-Meter
20. Clap Switch
21. Music Player
22. Music Instrument Tuner
23. Colour Map I
24. Colour Map II



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

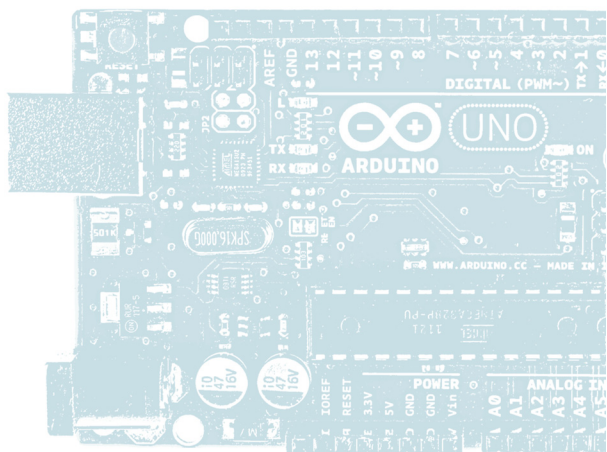
- Servo motor 1
- Piezo 1
- Push button 4
- Potentiometer 1

Components

- Tri-colour LED 2
- LED 9
- Capacitor 3
- Resistor 29

Others

- Battery adapter 1
- Jumper wire 23



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STAY CURIOUS

PENANG

303-4-8, Block B,
Krystal Point,
Jalan Sultan Azlan Shah,
11900 Bayan Lepas, Penang.
Tel: +6012 435 9910

CYBERJAYA

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Sabah.
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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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