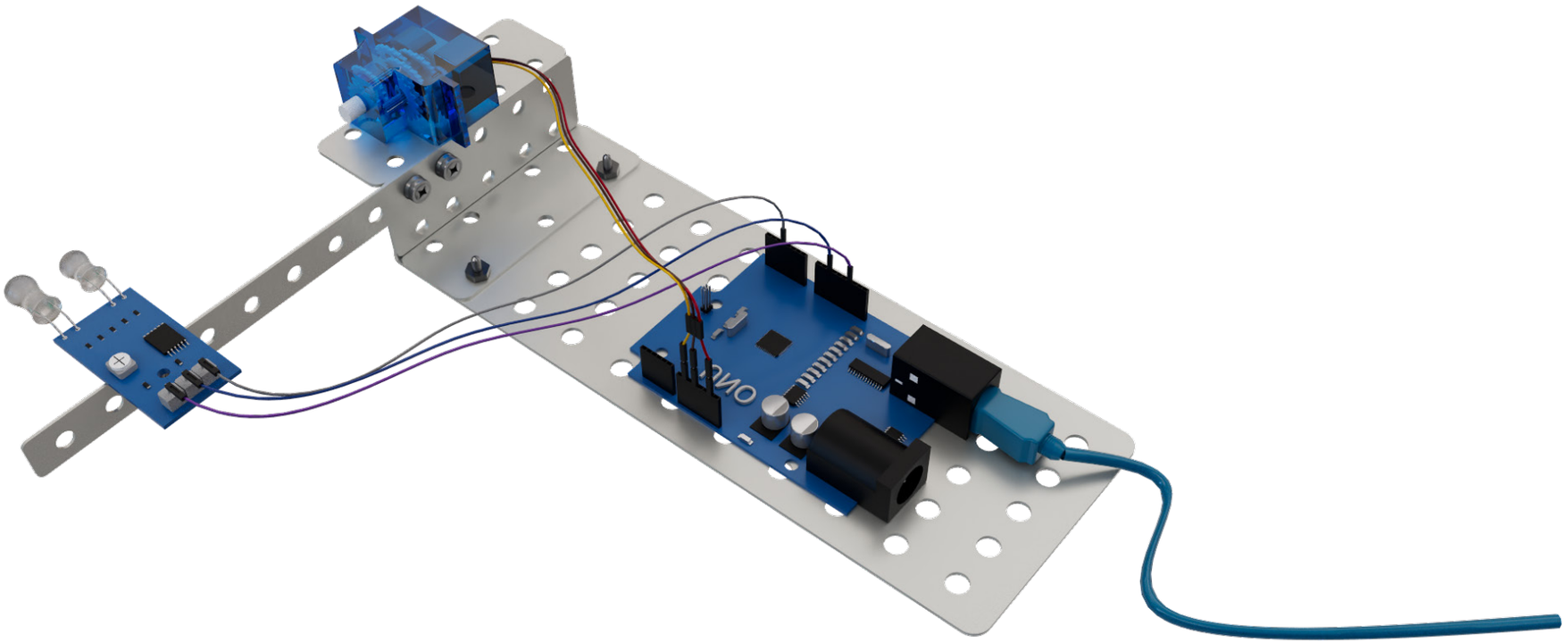
MECHANZ™

Automatic Gate



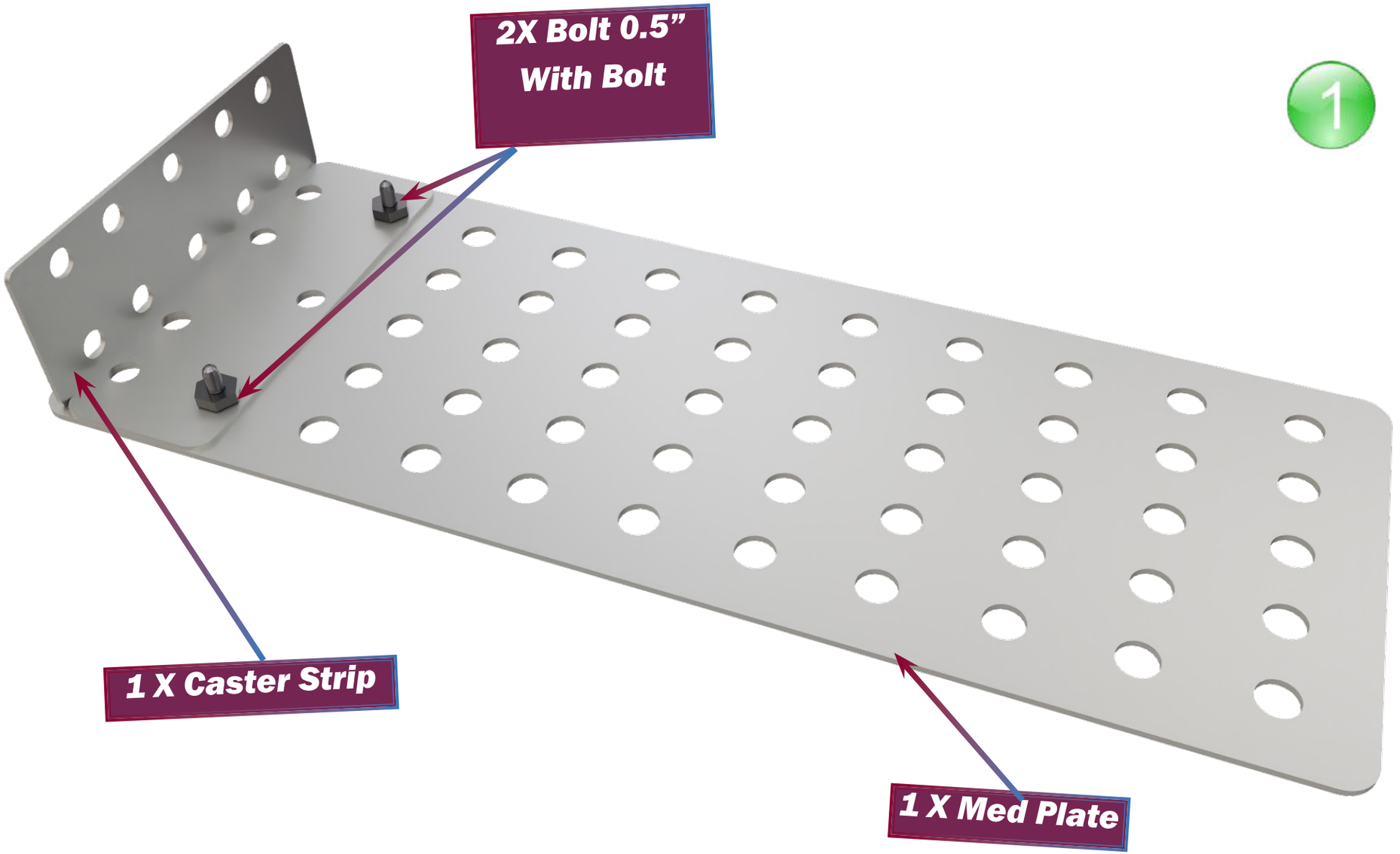
Product of

ABLEDUCATION™

THINK • EXPLORE • CREATE • INNOVATE

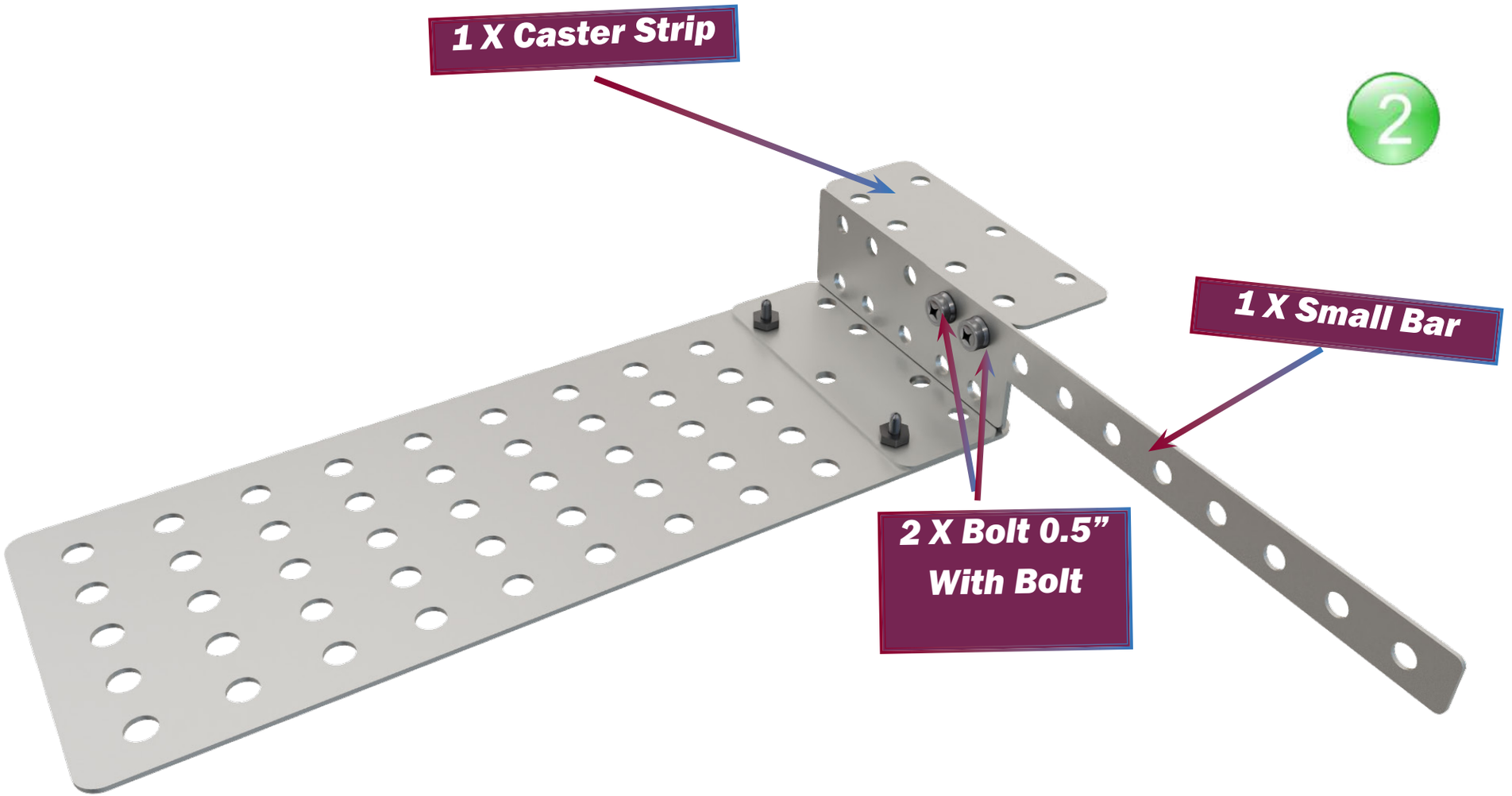
© ABL Education

MECHANZ™

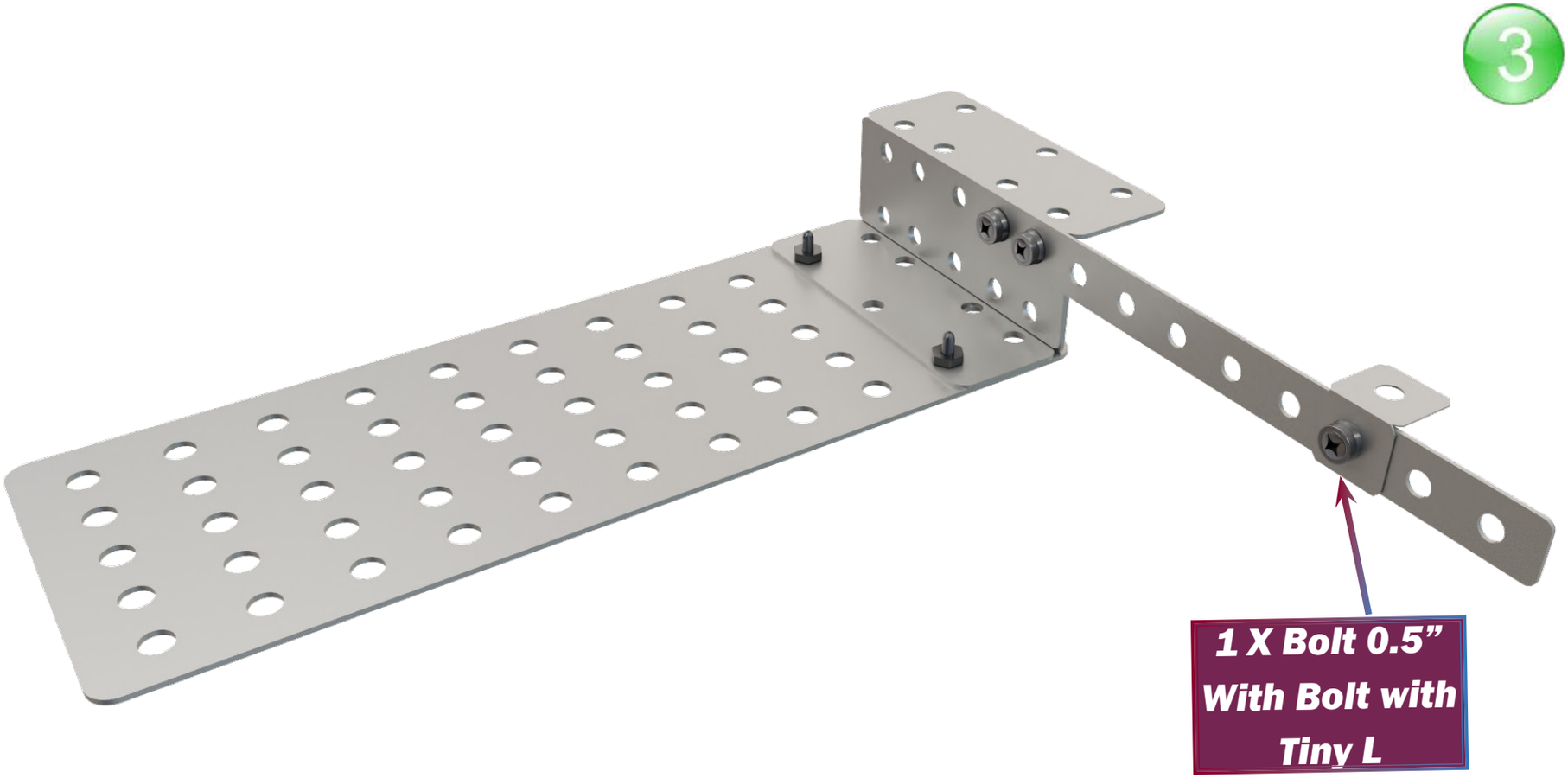


© ABL Education

MECHANZ™

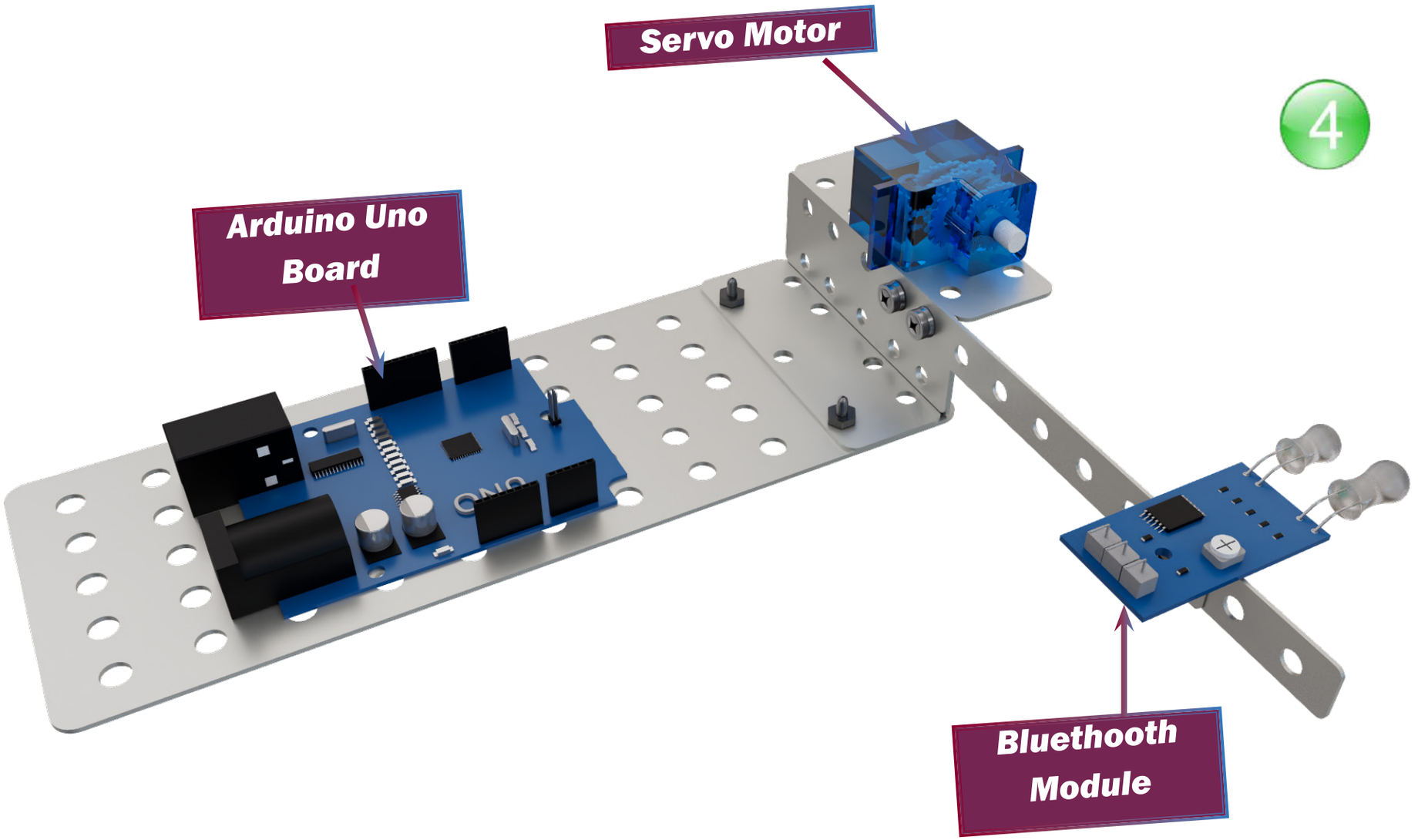


© ABL Education



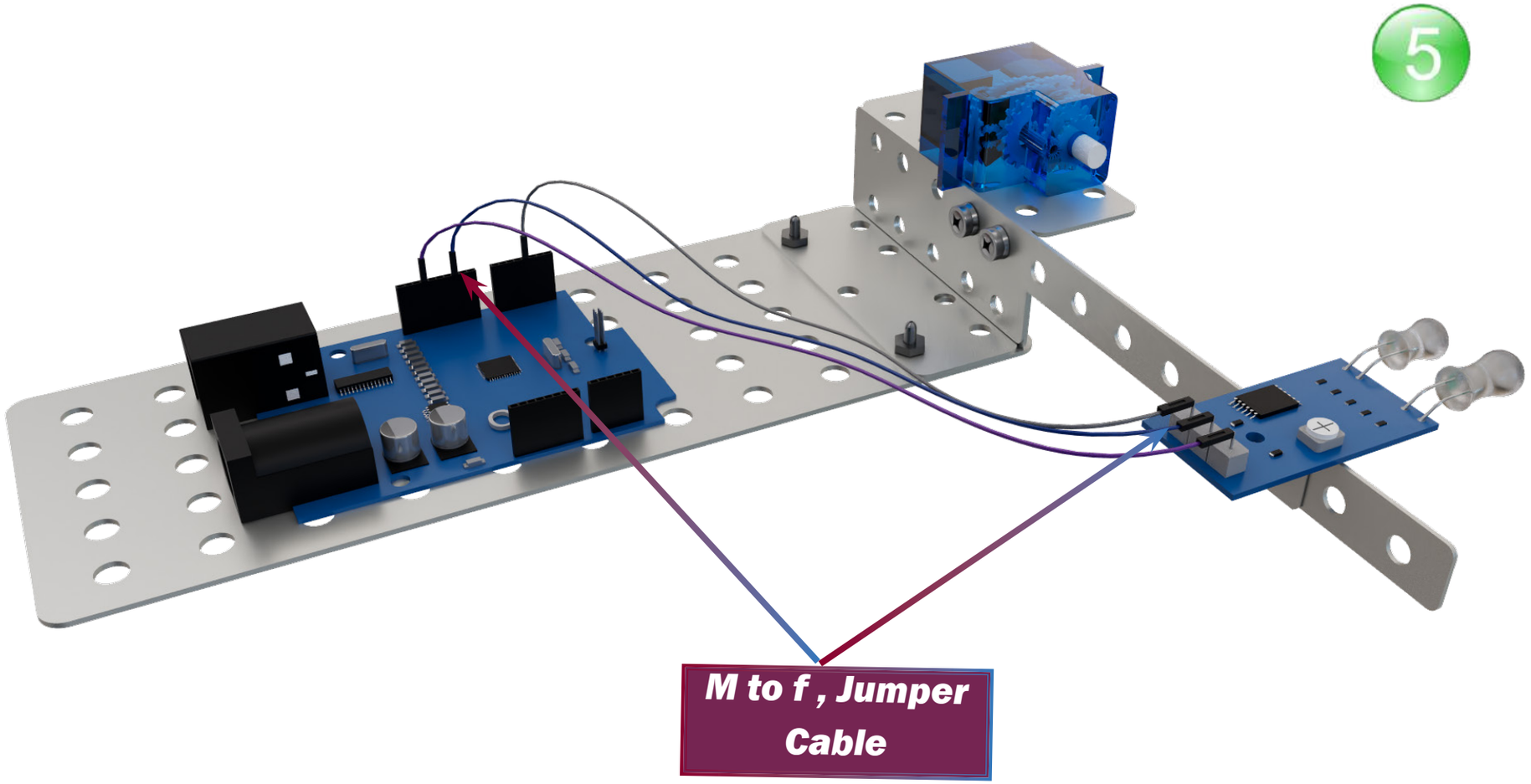
© ABL Education

MECHANZ™



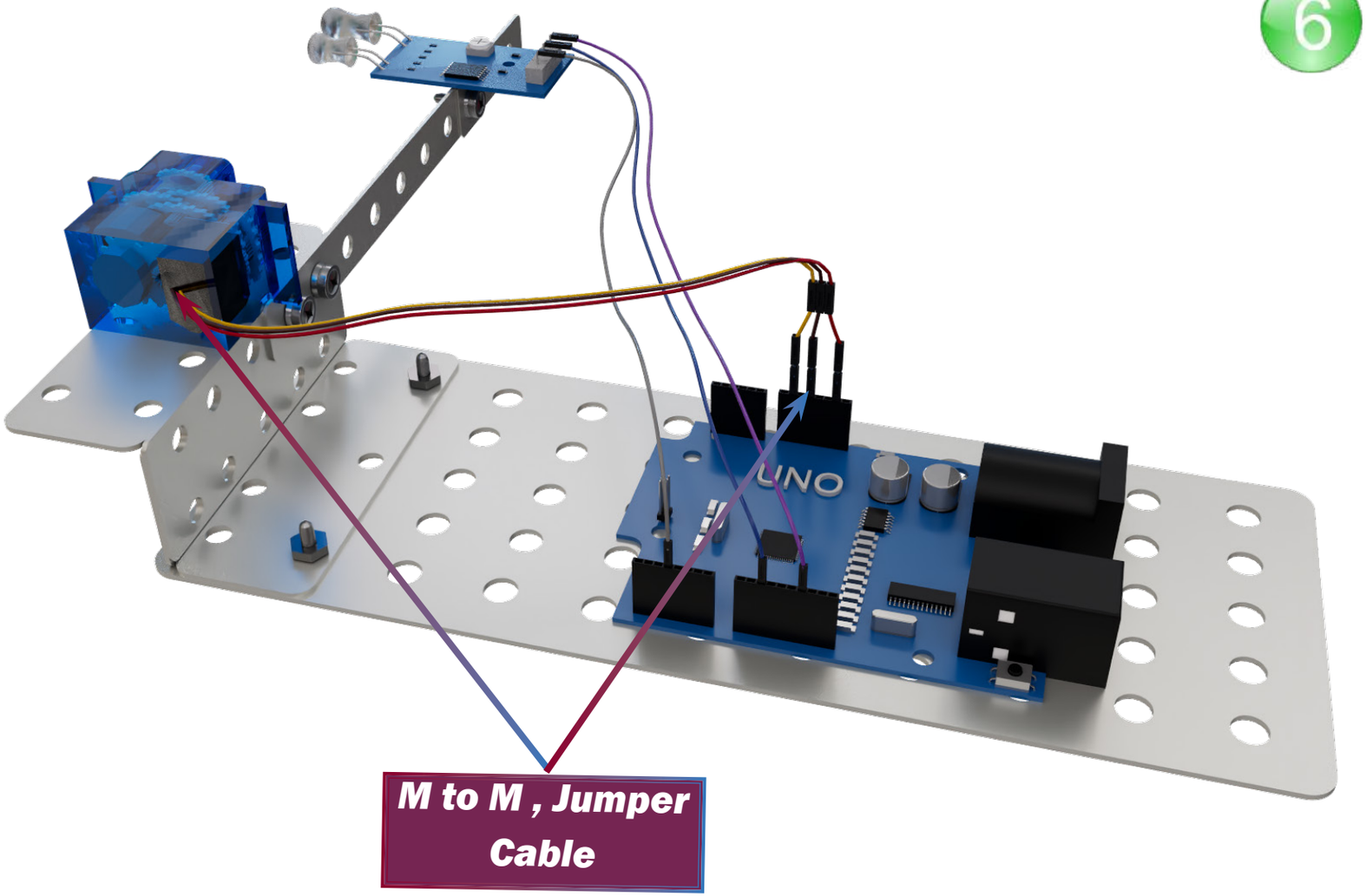
© ABL Education

MECHANZ™



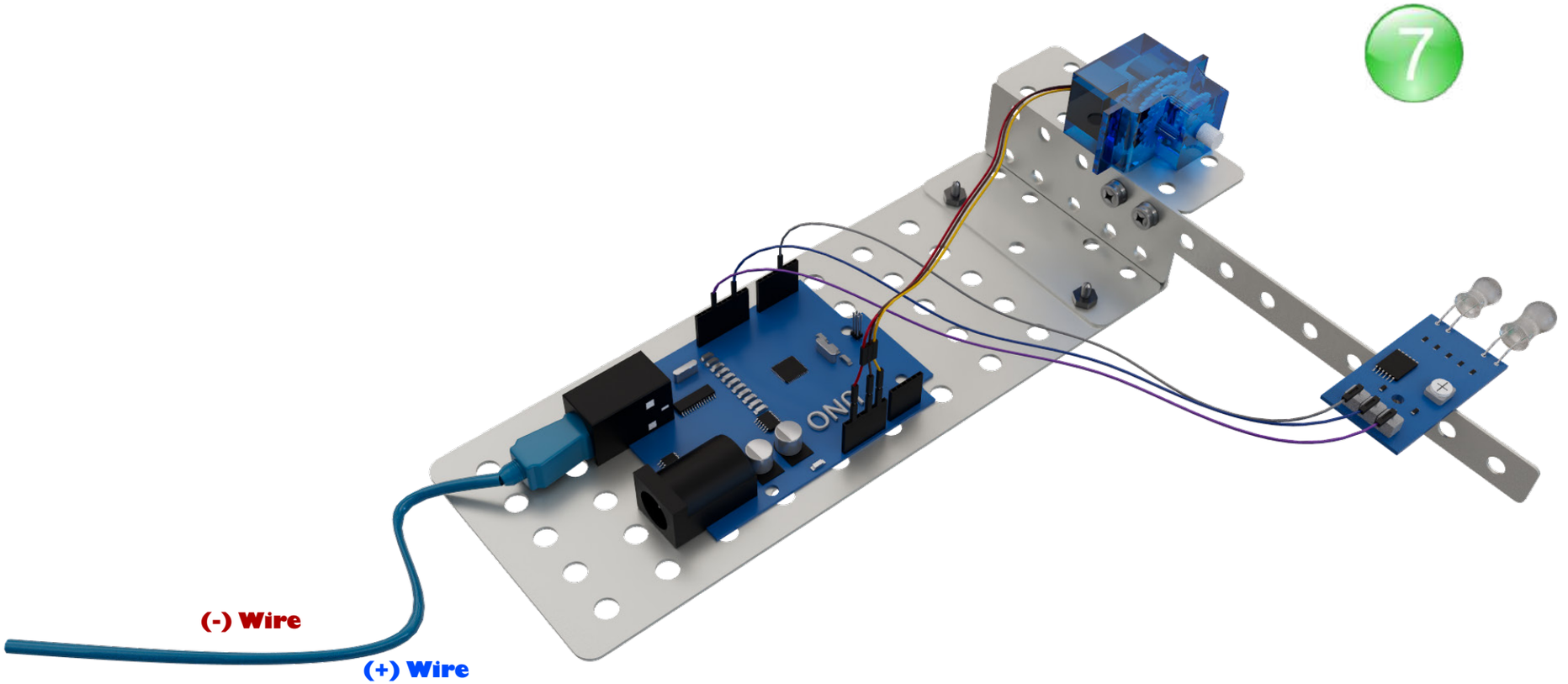
© ABL Education

6



© ABL Education

MECHANZ™



Power Supply from 12 V battery

© ABL Education

Coding For Automatic Gate

```
#include <Servo.h> // servo library
 Servo s1;
 int val = 0 ;
 int va2 = 0 ;
 void setup()
 {
   Serial.begin(9600); // sensor buart rate
   pinMode(2,INPUT);  // IR sensor 1
   pinMode(3,INPUT);  // IR sensor 2
   s1.attach(9);    // Servo Connect 9 pin
   s1.write(0);
 }
 void loop()
 {
  val = digitalRead(2); // IR sensor 1 output pin
connected
  va2 = digitalRead(3); // IR sensor 2 output pin
connected
  Serial.println(val); // see the value in serial
mpnitor in Arduino IDE
  Serial.println(va2); // see the value in serial
mpnitor in Arduino IDE
  delay(10);      // Time Delay
```

```
if(val == 1  )
 {
 s1.write(0); // SERVO 0 DEGREE
 }
if(val == 0 )
 {
 s1.write(90);
 delay(5000);
 s1.write(0);// SERVO 90 DEGREE
 }
 if(val==1 )
 { s1.write(0);
 }
}
```