Knob (Potentiometer)

- use a breadboard for connecting it to your Arduino
- use the Arduino Serial Monitor to see the analog input value change when you turn the knob:
Sample Code: use with Serial Monitor

/*
AnalogReadSerial
Reads an analog input on pin 0, prints the result to the serial monitor.
Attach the center pin of a potentiometer to pin A0, and the outside pins to +5V and ground.

This example code is in the public domain.
*/

void setup() {
  Serial.begin(9600);
}

void loop() {
  int sensorValue = analogRead(A0);
  Serial.println(sensorValue);
  delay(1);

Sample Code: LED 13 flashes at speed determined by knob position

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modified 30 Aug 2011
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*/

int sensorPin = A0;  // select the input pin for the potentiometer
int ledPin = 13;     // select the pin for the LED
int sensorValue = 0; // variable to store the value coming from the sensor

void setup() {
    pinMode(ledPin, OUTPUT);  // declare the ledPin as an OUTPUT:
}

void loop() {
    sensorValue = analogRead(sensorPin); // read the value from the sensor:
    digitalWrite(ledPin, HIGH);     // turn the ledPin on
    delay(sensorValue);            // stop the program for <sensorValue> milliseconds:
    digitalWrite(ledPin, LOW);     // turn the ledPin off:
    delay(sensorValue);            // stop the program for for <sensorValue> milliseconds:
}

Source:
http://arduino.cc/en/Tutorial/AnalogInput