

Bill of materials

This project is intended to be cheap and accesible, but still requires a few materials:

Minimum materials: necessary for any Tiny Trainable instrument

Item	Quantity	Cost (USD)	Retailer	Comment
Arduino Nano 33 BLE Sense with headers	1	33.40	https://www.arduino.cc/	Microcontroller
Breadboard	1	5.95	Adafruit	Prototyping
Jumper wires	1	3.95	Adafruit	Making connections
Micro USB cable	1	2.95	Adafruit	Power

NOTE: Make sure you purchase the correct board, Arduino Nano 33 BLE **Sense**! Please don't confuse it with the similarly named Arduino Nano 33 BLE.

In addition, this board is sold with and without headers. We recommend acquiring the one **with headers** so you can immediately start using it on a breadboard without needing to solder the headers on it.

Outputs, cheaper:

Item	Quantity	Cost (USD)	Retailer	Comment
Piezo buzzer	1	1.50	Adafruit	Output sound
Micro servo	1	5.95	Adafruit	Output movement
LED	1	6.95	Adafruit	Output light

Outputs, more expensive or more complex

Item	Quantity	Cost (USD)	Retailer	Comment
MIDI DIN	1	1.75	Adafruit	Output printed text
Thermal printer	1	61.95	Adafruit	Output printed text
128x32 screen	1	12.50	Adafruit	Output screen text
placeholder	placeholder	placeholder	placeholder	placeholder