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## **S4a Scratch Arduino**

Scratch for Arduino (S4A) is a modified version of Scratch, ready to interact with Arduino boards. It was developed in 2010 by the Citilab Smalltalk Team and it has been used since by many people in a lot of different projects around the world.

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## **About S4A**

S4A is a Scratch modification that supports simple programming of the Arduino open source hardware platform. It provides new blocks for managing sensors and actuators connected to Arduino.

**S4A download | SourceForge.net**

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S4A is a Scratch modification that allows for simple programming of the Arduino open source hardware platform. It provides new blocks for managing sensors and actuators connected to Arduino. It provides new blocks for managing sensors and actuators connected to Arduino.

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## **S4A (free) download Windows version**

Scratch for Arduino S4A - I S4A, developed in 2010 by the Citilab Smalltalk Team, is a Scratch modification that allows for simple programming of the Arduino open source hardware platform It provides a high level interface to Arduino

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programmers so as to manage sensors and actuators An Arduino sketch (S4AFirmware16.ino) has to

## **Programming Arduino with Scratch (S4A)**

Lesson Sequence: S4A (Scratch for Arduino) Rationale: STE(A)M education (STEM with the added 'Arts' element)



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brings together strands of curriculum with a logical integration. The inclusion of CODING in STE(A)M curriculum is a time-sensitive and urgent initiative as technological change underpins growing skills and concepts needed

**Lesson Sequence: S4A (Scratch for Arduino)**

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S4A (Scratch for Arduino) Project - A Keyboard Controlled Robot Car A fun project to create a keyboard controlled robot car... based on the "Robotics: keyboard driven car" project on the S4A site .

**Move My Robot: S4A (Scratch for Arduino) Project - A ...**

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Physical Computing - Scratch for Arduino  
Step 1: Bill of Material (BoM). Step 2:  
Installing S4A. According to Arduino  
official page, you can program an  
Arduino using an experimental online...  
Step 3: Digital Output - Blinking a LED.  
Let's start connecting a LED to pin 13 of  
our Arduino UNO. Note ...

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## **Physical Computing - Scratch for Arduino : 12 Steps (with ...**

According to Arduino official page, you can program an Arduino using an experimental online tool: ScratchX, and a previous (desktop) version of Scratch that was modified by another team to produce S4A, which reads Scratch programs, but contains extensions to

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utilize a subset of an Arduino's input/output facilities.

### **Physical Computing - Scratch for Arduino - Arduino Project Hub**

Why Is the mBot with Scratch the Best Robot to Teach STEM to School Children?

- Duration: 4:45. Cool Components Ltd  
55,238 views

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## **Getting Started With Scratch for Arduino**

S4A is a Scratch modification that allows for simple programming of the Arduino open source hardware platform. It provides new blocks for managing sensors and actuators connected to Arduino. It provides new blocks for

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managing sensors and actuators  
connected to Arduino.

## **S4A - Baixar (grátis) a versão para Windows**

The Arduino / S4A combination is a great way to get non programmers to jump into both programming and interacting with the real world via the Arduino. 0

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## **A Gentle Introduction to Arduino for Scratch Users : 5 ...**

S4A is a Scratch modification that allows for simple programming of the Arduino open source hardware platform. It provides new blocks for managing sensors and actuators connected to



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Arduino. There is also a sensors report board similar to the PicoBoard one.

## **Install S4A - Scratch for Arduino on Linux Mint using the ...**

The software is named S4A (stands for Scratch for Arduino). Also, at this web site you can see some demos, one of them showing how S4A can control two

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Arduino boards at the same time (a WiFi robot and a remote for this robot).

## **S4A (Scratch for Arduino)**

S4A is a modification of Scratch programming language for communicating with Arduino micro-controllers. This is actually what the name stands for: Scratch for Arduino

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(S4A).

## **Download S4A 1.6 - softpedia**

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## **s4a - Discuss Scratch**

S4A (Scratch for Arduino) is a drag and drop programming environment based on the MIT creation "Scratch". It has been modified to connect to an Arduino plugged in via USB, offering a variety of

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## **S4A - Scratch for Arduino Workbook - Technocamps**

Physical Computing - Scratch for Arduino (Using S4A, based on Scratch 1.4) And now, we will develop new projects and ideas integrating Scratch 2.0 and Arduino, the 2 true "champions" when we are talking about teaching electronics and code creation for

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children, educators, and beginners.

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