

Here is a list of materials and hardware that should be acquired for the beginning of your first semester at Art and Technology. The following links are merely suggestions as you are free to choose any brand and/or supplier for each of the different products, with the only exception being the arduino which has to be of the type "Uno".

The total price (granted that the cheapest options have been chosen) should be somewhere between 750-800 dkk.

Arduino Uno

<http://www.let-elektronik.dk/arduino-1/arduino-uno-r3.html>

http://www.conradelektronik.dk/Arduino-Uno-Rev3-DIP-Version-Arduino-Arduino-Uno-Rev3-DIP-Version.htm?websale8=conrad-dk&pi=1275279&ci=SHOP_AREA_1013131_2420142

<https://www.elextra.dk/main.aspx?page=article&artno=H31941>

USB AB for Arduino

<http://www.let-elektronik.dk/alle-ledninger/usb-2-0-kabel-a-til-b-1-8-meter.html>

Jumper-wire

<http://www.let-elektronik.dk/alle-ledninger/1-pin-jumper-wires-premium-155mm-f-f-10stk-2.html>

<http://www.ebay.com/itm/40pcs-New-Dupont-wire-jumper-cable-10cm-2-54mm-male-1P-For-Arduino-raspberry-pi-/181789177848?hash=item2a537ab7f8>

<http://www.ebay.com/itm/Male-to-Male-Solderless-Flexible-Breadboard-Jumper-Cable-Wires-65Pcs-for-Arduino-/171710971888?hash=item27fac57ff0>

Breadboard

<http://www.let-elektronik.dk/breadboard-self-adhesive-white.html>

<http://www.let-elektronik.dk/breadboard-full-size-bare.html>

[http://www.conradelektronik.dk/Conrad-Breadboard-0165-40-1-0165-40-1-3301B-\(L-x-B-x-H\)-114.3-x-186.2-x-8.4-mm-Antal-polklemmer-1800.htm?websale8=conrad-dk&pi=1268695&ci=SHOP_AREA_14742_2512070](http://www.conradelektronik.dk/Conrad-Breadboard-0165-40-1-0165-40-1-3301B-(L-x-B-x-H)-114.3-x-186.2-x-8.4-mm-Antal-polklemmer-1800.htm?websale8=conrad-dk&pi=1268695&ci=SHOP_AREA_14742_2512070)

[http://www.conradelektronik.dk/Conrad-Breadboard-0165-40-4-0165-40-4-16010-Skridsikre-\(L-x-B-x-H\)-165-x-45-x-8.4-mm-Antal-polklemmer-730.htm?websale8=conrad-dk&pi=1268680&ci=SHOP_AREA_14742_2512070](http://www.conradelektronik.dk/Conrad-Breadboard-0165-40-4-0165-40-4-16010-Skridsikre-(L-x-B-x-H)-165-x-45-x-8.4-mm-Antal-polklemmer-730.htm?websale8=conrad-dk&pi=1268680&ci=SHOP_AREA_14742_2512070)

<http://www.ebay.com/itm/MB-102-Solderless-PCB-Breadboard-Protoboard-830-Tie-Points-2-buses-Test-Circuit-/261760653166?hash=item3cf226976e>

[http://www.conradelektronik.dk/Breadboard-830-polet-Breadboard-\(L-x-B-x-H\)-165.1-x-54.6-x-9.4-mm-Antal-polklemmer-830.htm?websale8=conrad-dk&pi=531326&ci=SHOP_AREA_14742_2512070](http://www.conradelektronik.dk/Breadboard-830-polet-Breadboard-(L-x-B-x-H)-165.1-x-54.6-x-9.4-mm-Antal-polklemmer-830.htm?websale8=conrad-dk&pi=531326&ci=SHOP_AREA_14742_2512070)

Blu-Tack or something equivalent

<http://www.staples.dk/haftemasse-tack-it-50-gr/cbs/121209.html>

<http://www.bog-ide.dk/arkivering/tape/haeftemasse-relief-allround-tack-50gr/p-284577/#!284577>

Screwdriver set with ranging sizes

<http://www.biltema.dk/da/Vaerktoj/Handvarktoj/Skruetrakker-og-Bits/Bitssat/Bits--og-topnoglesat-122-dele-2000028465/>

<http://www.biltema.dk/da/Vaerktoj/Handvarktoj/Skruetrakker-og-Bits/Pracisionsskruetrakker/Skruetrakkersat-ESD-6-stk-2000023062/>

<http://www.harald-nyborg.dk/p1050/stanley-skruetraekkersaet-42-del>

<http://www.conradelektronik.dk/Br%fcder-Mannesmann-VDE-skruetr%e6kkers%e6t,-7-dele.-Afdrift-Lige-k%e6rv%2fkrydsk%e6rv-PH.htm?websale8=conrad-dk&pi=801950&ci=SHOP AREA 17600 1512011>

<https://www.elextra.dk/main.aspx?page=article&artno=H33480>

<https://www.elextra.dk/main.aspx?page=article&artno=H42724>

Wire Stripper

<http://www.harald-nyborg.dk/p3439/jokari-autom-afiso-tang-super4>

<http://www.conradelektronik.dk/Afisoleringst%e6nger,-kabelsk%e6rer-C.K.-Ecotronic-%28T3894%29.htm?websale8=conrad-dk&pi=1312389&ci=SHOP AREA 17598 1517027>

<http://www.conradelektronik.dk/Automatisk-afisoleringstang-Knipex-1262-%2812-62-180%29-0,2-6-mm%b2.htm?websale8=conrad-dk&pi=827009&ci=SHOP AREA 17598 1517027>

<http://www.biltema.dk/da/Vaerktoj/Handvarktoj/Tanger-og-Sakse/Afisoleringstang-ESD-2000022940/>

<http://www.ebay.com/itm/Multifunctional-Cable-Wire-Stripper-Cutter-Plier-Durable-Stripping-Cutting-Tool-/111704795844?hash=item1a021feac4>

<http://www.ebay.com/itm/Multifunctional-Durable-Wire-Stripper-Crimping-Cutting-Stripping-Plier-10-22-AWG-/321801462070?hash=item4aecdca136>

Combination Pliers

<http://www.biltema.dk/da/Vaerktoj/Handvarktoj/Tanger-og-Sakse/Kombinationstang-2000016683/>

<http://www.conradelektronik.dk/Electronics-combination-pliers.htm?websale8=conrad-dk&pi=819999&ci=SHOP AREA 17604 1517025>

<http://www.conradelektronik.dk/Kombitang-Knipex-03-02-160-160-mm.htm?websale8=conrad-dk&pi=822029&ci=SHOP AREA 17604 1517025>

Side Cutter

<http://www.conradelektronik.dk/Sk%e6vbider-Bernstein-%283-0645%29.htm?websale8=conrad-dk&pi=406634&ci=SHOP AREA 17598 1517023>

<http://www.conradelektronik.dk/Elektronik-sk%e6vbider-Bernstein-%283-0641%29.htm?websale8=conrad-dk&pi=406633&ci=SHOP AREA 17598 1517023>

<http://www.conradelektronik.dk/Sk%e6vbider-Wiha-%2826813%29.htm?websale8=conrad-dk&pi=804168&ci=SHOP AREA 17598 1517023>

<http://www.conradelektronik.dk/Electronic-Super-Knips%ae-Knipex-%2878-81-125%29.htm?websale8=conrad-dk&pi=822328&ci=SHOP AREA 17598 1517023>

<http://www.biltema.dk/da/Vaerktoj/Handvarktoj/Tanger-og-Sakse/Skavbider-2000016687/>

Tape Measure

<http://www.biltema.dk/da/Vaerktoj/Malevarktoj/Tommestok/Stalmaleband-2000033947/>

Digital Multimeter

(You can't expect overly precise measurements from the cheaper models)

<http://www.biltema.dk/da/Vaerktoej/Malevarktoej/Maleinstrument/Digitalt-multimeter-2000018521/>

<http://www.harald-nyborg.dk/p2424/digital-multimeter>

Some slightly better models

http://www.conradelektronik.dk/H%e5nd-multimeter-digital-Extech-EX330-CAT-III-600-V-Visning-%28counts%29:-4000.htm?websale8=conrad-dk&pi=122213&ci=SHOP_AREA_260570_1101010

http://www.conradelektronik.dk/H%e5nd-multimeter-digital-Extech-EX320-CAT-III-600-V-Visning-%28counts%29:-2000.htm?websale8=conrad-dk&pi=122310&ci=SHOP_AREA_260570_1101010

http://www.conradelektronik.dk/H%e5nd-multimeter-Beha-Amprobe-AM-510-EUR-CAT-III-600-V-digital-Visning-%28counts%29:-4000.htm?websale8=conrad-dk&pi=101963&ci=SHOP_AREA_260570_1101010

http://www.conradelektronik.dk/H%e5nd-multimeter-digital-Fluke-115-CAT-III-600-V-Visning-%28counts%29:-6000.htm?websale8=conrad-dk&pi=122719&ci=SHOP_AREA_260570_1101010

Breadboard Power Supply

http://www.ebay.com/itm/MB102-Breadboard-Power-Supply-Module-3-3V-5V-F-Solderless-Arduino-mini-usb-/131224325489?pt=LH_DefaultDomain_0&hash=item1e8d944d71