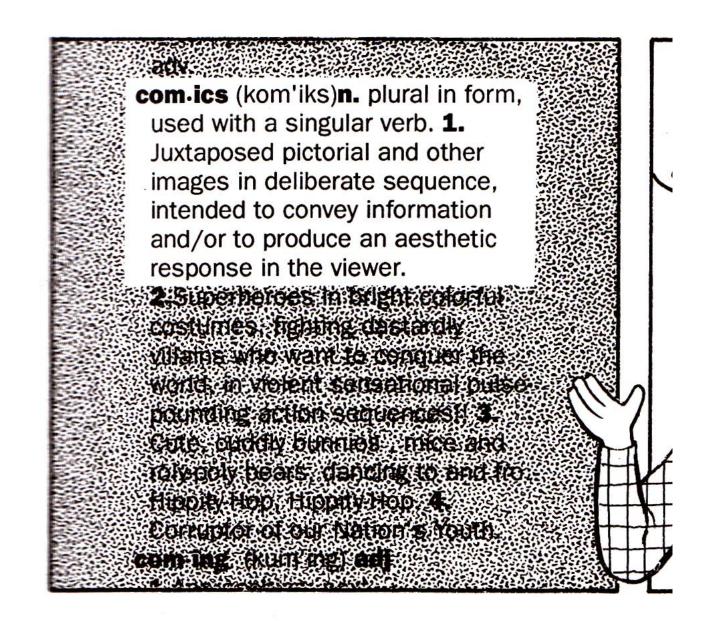
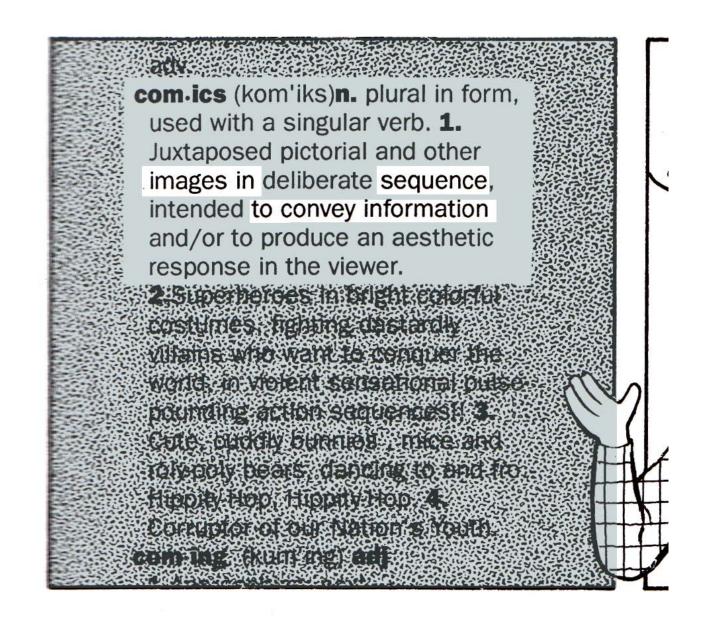
Making and Drawing: Comics in the DIY/Maker World

Jody Culkin SXSWi 2013 #DIYcomics



Understanding Comics. Scott McCloud 1993



Understanding Comics. Scott McCloud 1993



BOEING 767-300

Инструкция по безопасности

Safety instructions Sicherheitsvorschriften Consignes de sécurité Consignas de seguridad

В соответствии с международными требованиями, Вам предлагается ознакомиться с порядком использования аварийно-спасательного оборудования. Вам необходино выполнять все указания экипажа и световых табло. In accordance with the international regulations we suggest that you get acquainted with the procedure of the safety equipment usage. Follow the directions of the crew and the signs.



Baner и посадка Take off and landing Start und Landung Decollage et atternisag Despegue y aternizaje



He sypers. No smoking Nicht rauchen Ne pas fumer No fumer







Bo speed noneta During the flight Withrend des Fluges Pendant le vol Durante al vuelo















Ne kypirm. No smoking Nicht rauchen Ne pas fumer No fumar



















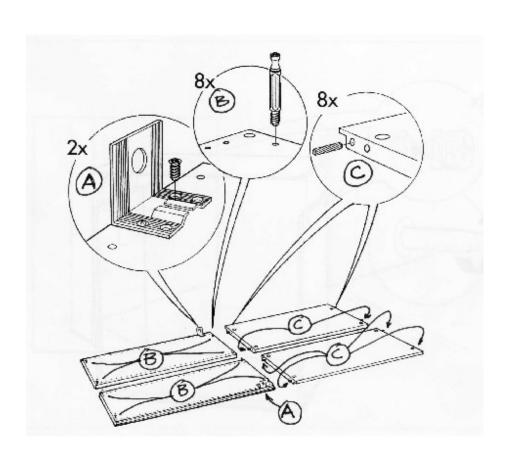


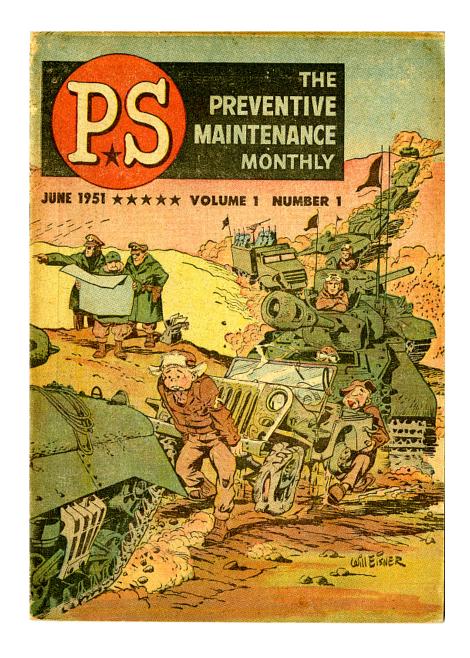




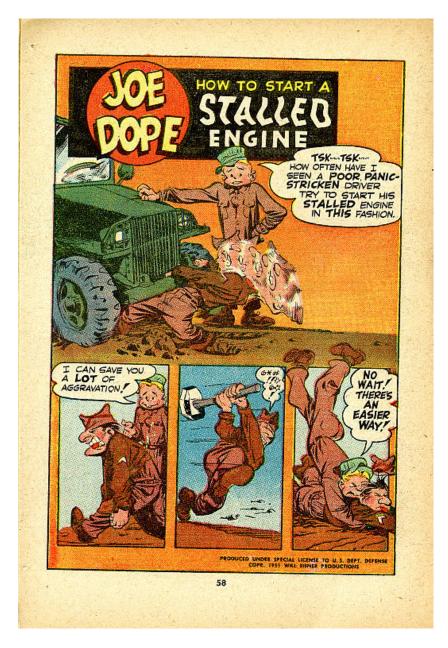








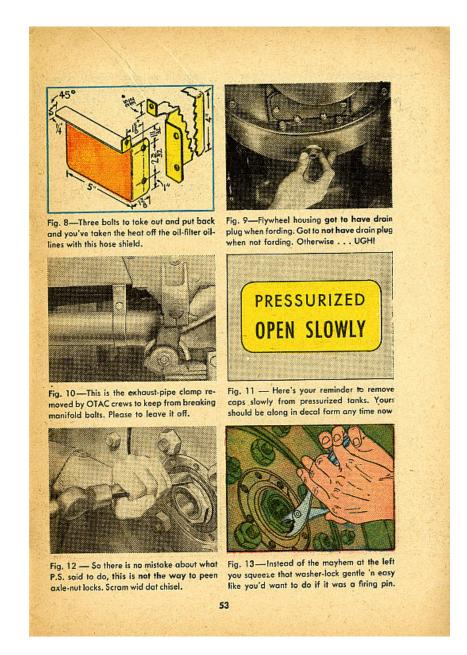
Preventive Maintenance Monthly.
Will Eisner American Visuals Corporation 1951



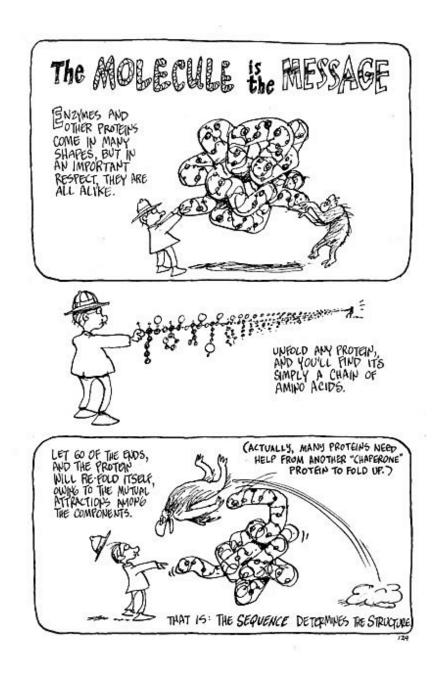
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Will Eisner American Visuals Corporation 1951



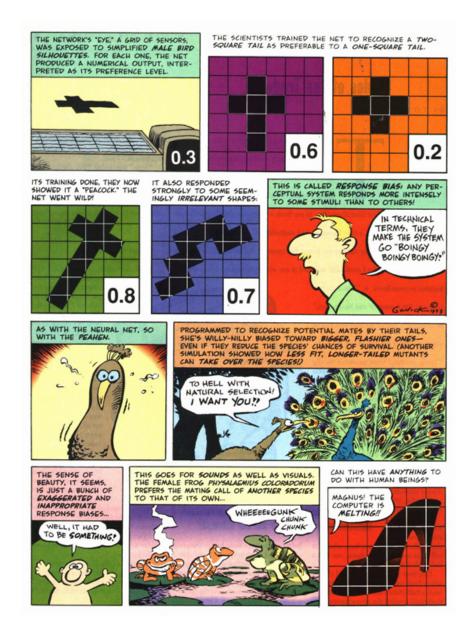
Preventive Maintenance Monthly.
Will Eisner American Visuals Corporation 1951



Preventive Maintenance Monthly.
Will Eisner American Visuals Corporation 1951



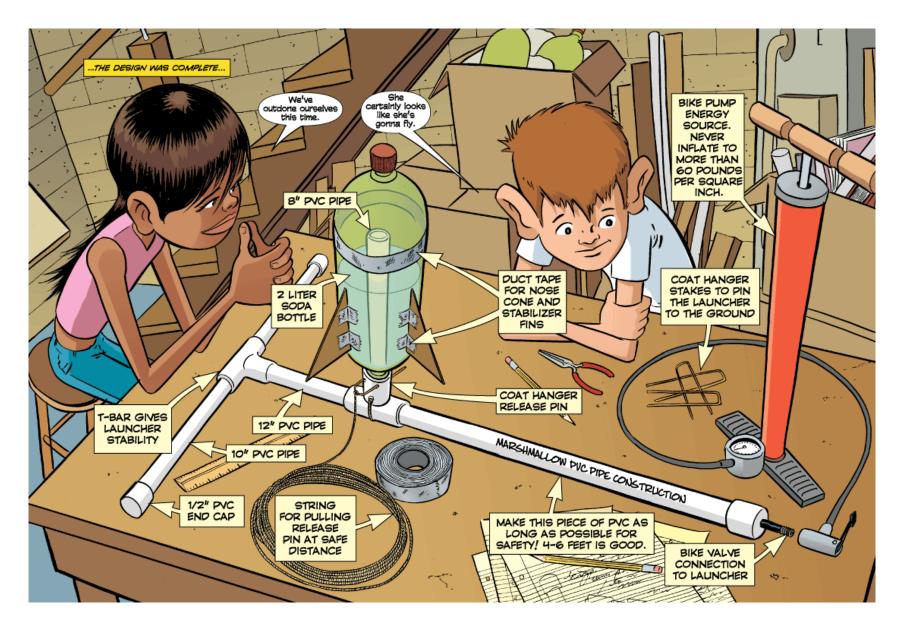
Cartoon Guide to Genetics. Larry Gonick 1983



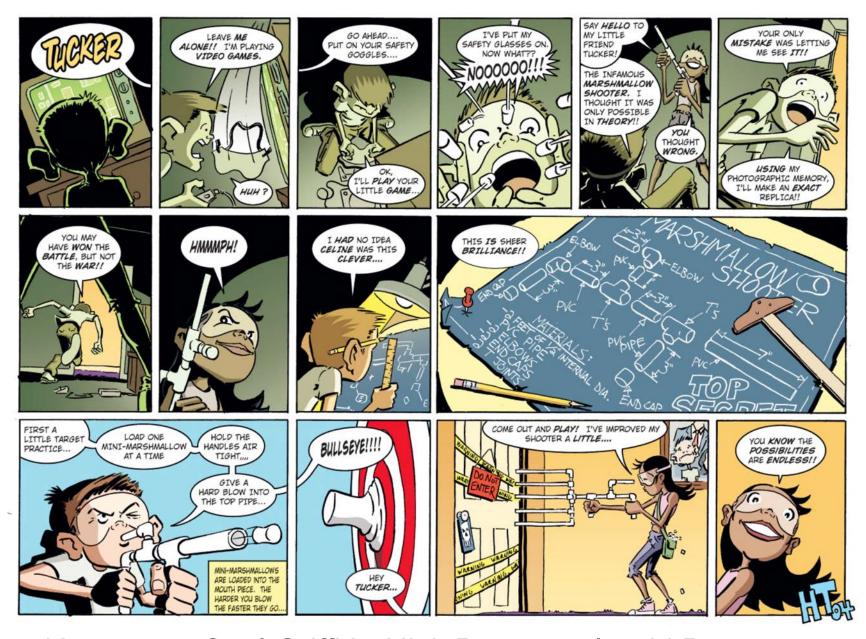
Beauty and the Beast (Neural Nets)
Larry Gonick Discover Magazine 1990's



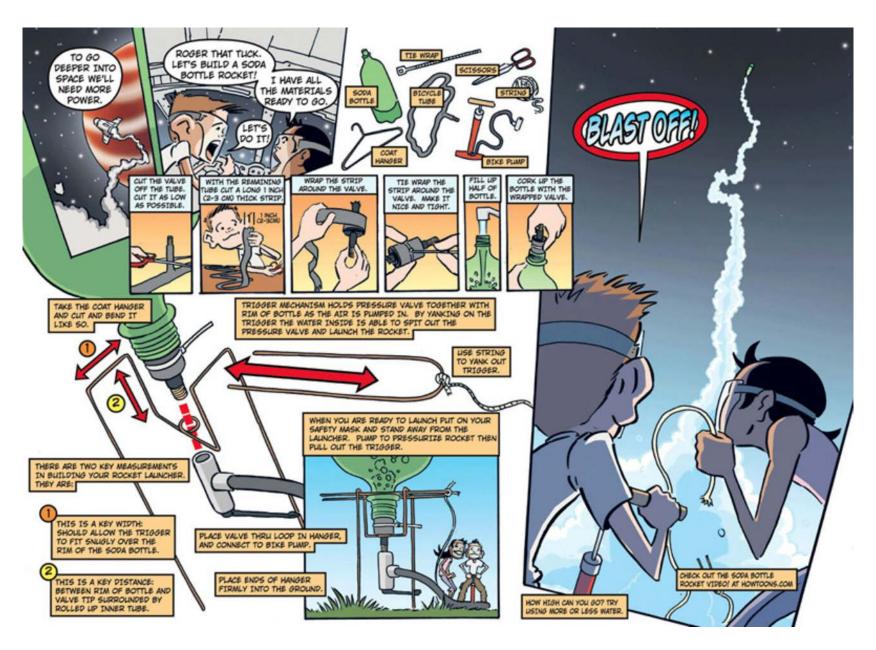
Radio: An Illustrated Guide. Jessica Abel and Ira Glass 1999



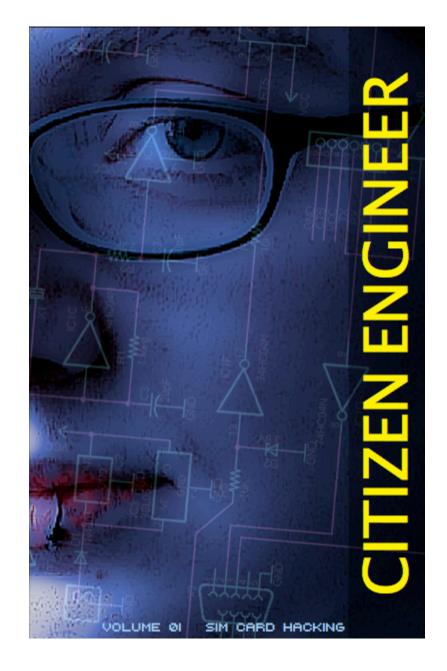
Howtoons. Saul Griffith, Nick Dragotta, Ingrid Dragotta and Joost Bonsen 2004



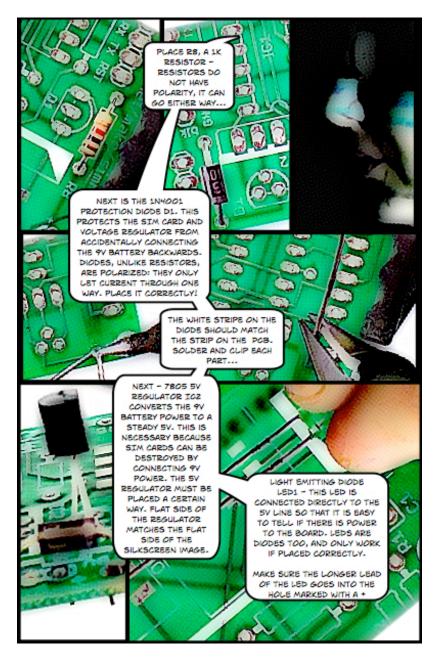
Howtoons. Saul Griffith, Nick Dragotta, Ingrid Dragotta and Joost Bonsen



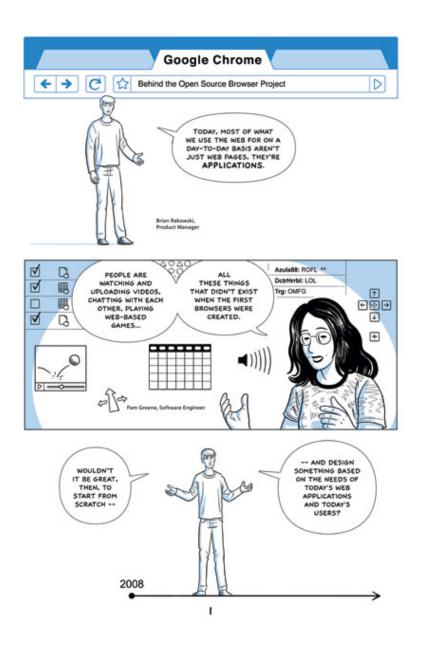
Howtoons. Saul Griffith, Nick Dragotta, Ingrid Dragotta and Joost Bonsen



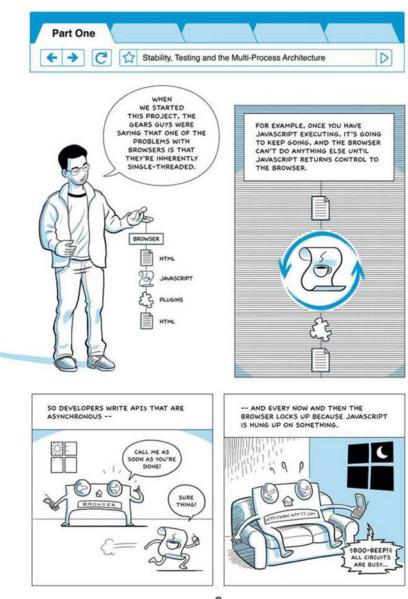
Citizen Engineer. Limor Fried & Phillip Torrone. 2008



Citizen Engineer. Limor Fried & Phillip Torrone 2008

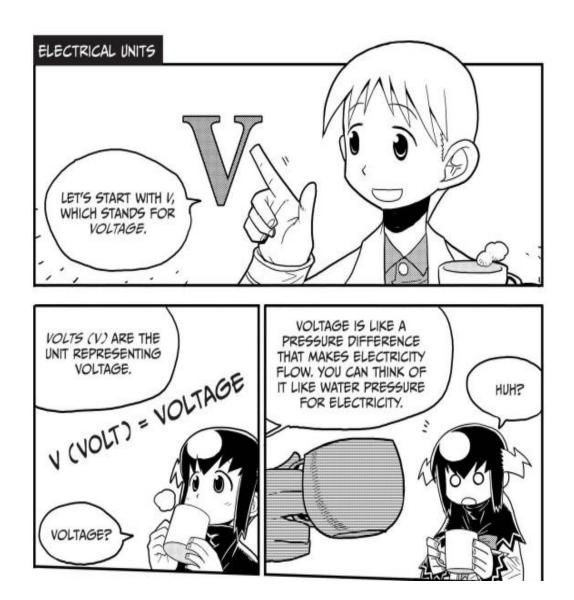


Google Chrome. Scott McCloud 2008



3

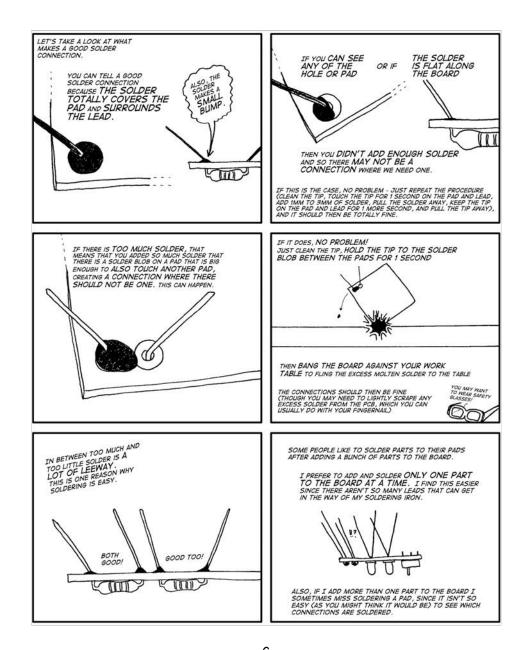
Google Chrome. Scott McCloud 2008



Manga Guide to Electricity
Kazuhiro Fujitaki, Matsuda, and Trend-pro Co, Ltd
No Starch Press 2009

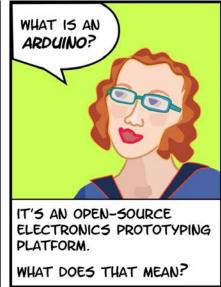


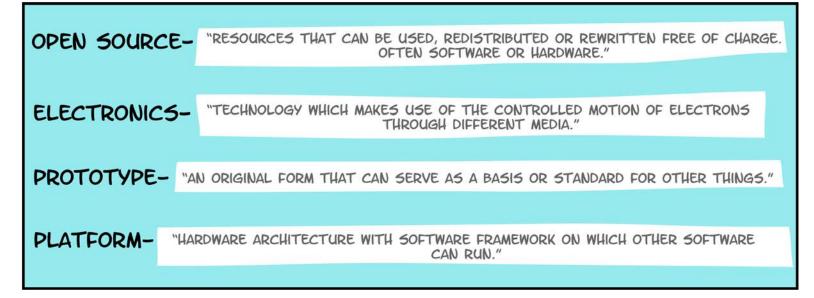
Soldering is Easy. Mitch Altman, Andie Nordgren, Jeff Keyzer 2011



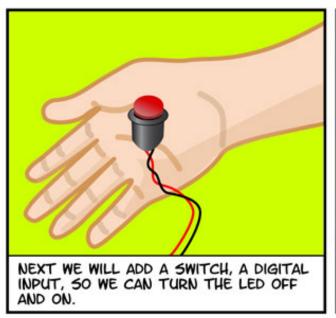
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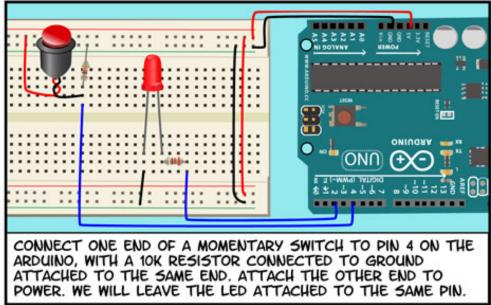


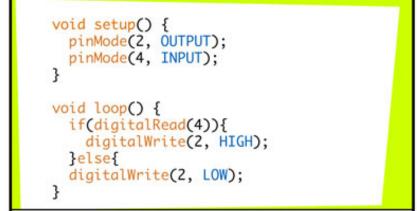




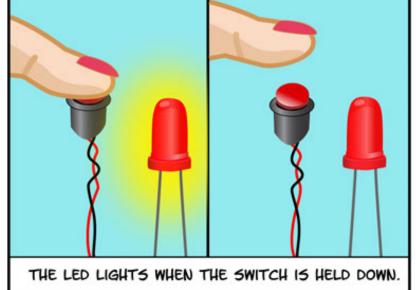
Introduction to Arduino. Jody Culkin 2011







NEXT WE'LL WRITE THE CODE. IN SETUP, WE DECLARE PIN 2 AN OUTPUT AND PIN 4 AN INPUT. IN LOOP, WE USE AN IF STATEMENT, IF WE READ PIN 4 AS HIGH, WE SET THE LED PIN TO HIGH, OTHERWISE WE SET THE LED PIN TO LOW, TURNING IT OFF.

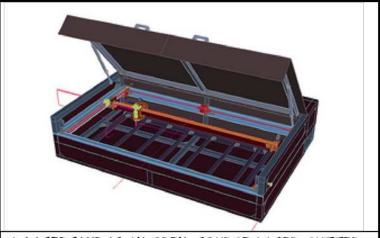


Introduction to Arduino. Jody Culkin 2011



E Is For Electronics. Lady Ada, Robert Ullman, David Stadler and John De Cristofaro 2012





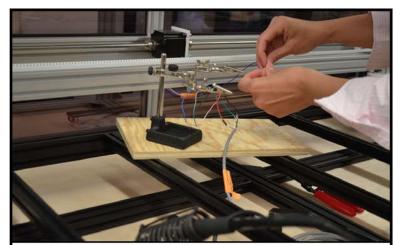
A *LASERSAUR* IS AN OPEN-SOURCE LASER CUTTER, DEVELOPED BY *NORTO LABS*. WE ARE BUILDING ONE AT *ITP CAMP* THIS SUMMER.



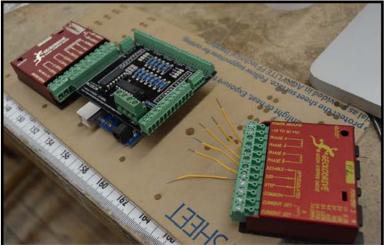


THE LASERSAUR IS BUILT FROM MANY, MANY PARTS AND CONSISTS OF SUBSYSTEMS THAT ALL WORK TOGETHER. ROB RYAN ORDERED ALL OF THE PARTSTHAT'S A WHOLE LOT OF BOXES.

Lasersaur Documentation. Jody Culkin 2013



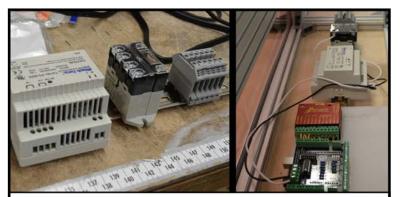
MICHELL SOLDERED THE STEPPER MOTORS, AFTER WE CHECKED THE WIRING DIAGRAMS ONLINE AND ASKED STEFAN ABOUT SOME DISCREPANCIES.



WE STARTED WIRING UP THE GECKO STEPPER DRIVERS AND ATTACHING THEM TO THE SHIELD.

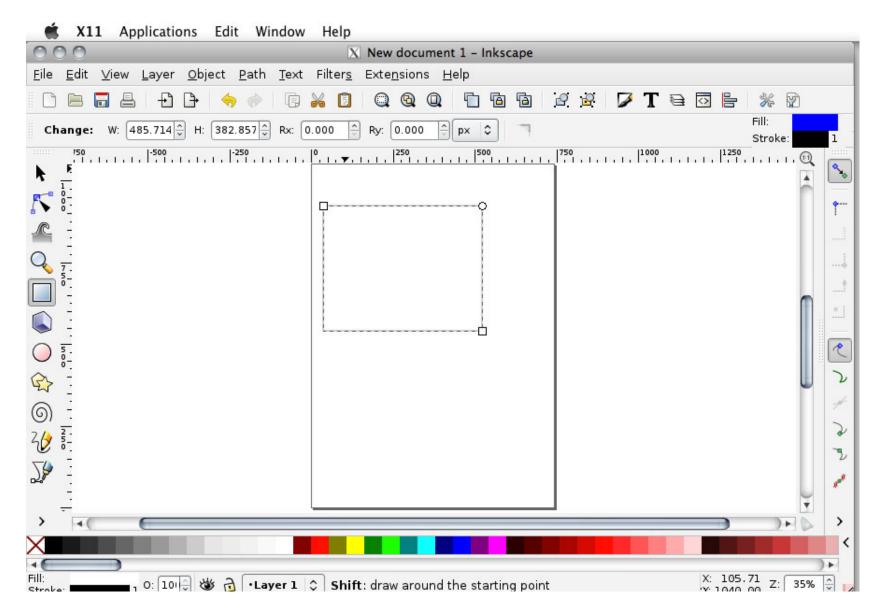


ERIC TIGHTENED DOWN THE SCREW TERMINALS.

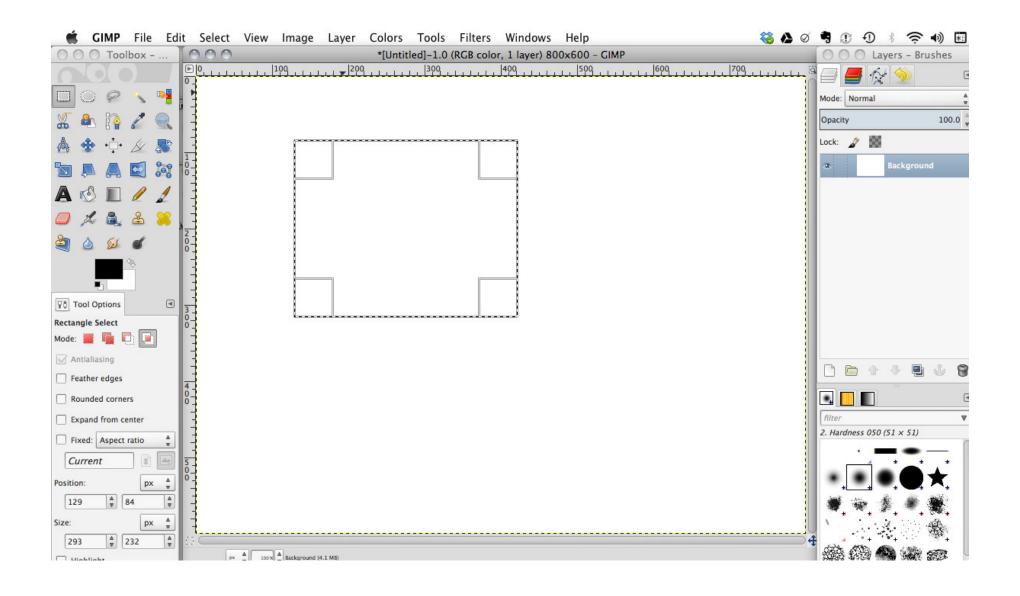


WE STARTED ATTACHING THE POWER SUPPLY, RELAY & TERMINAL BLOCKS TO THE DIN RAIL. AS WELL AS THE BOARD WITH THE SHIELD, ARDUINO AND DRIVERS. WE ATTACHED THE RAIL TO THE FRAME OF THE LASERSAUR, AND STARTED TO WIRE THE COMPONENTS.

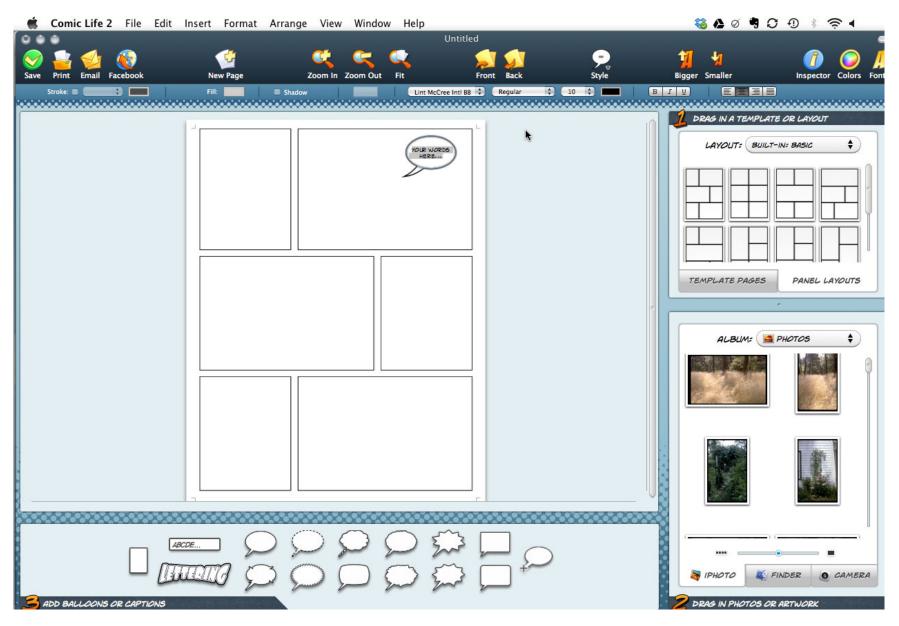
Lasersaur Documentation. Jody Culkin 2013



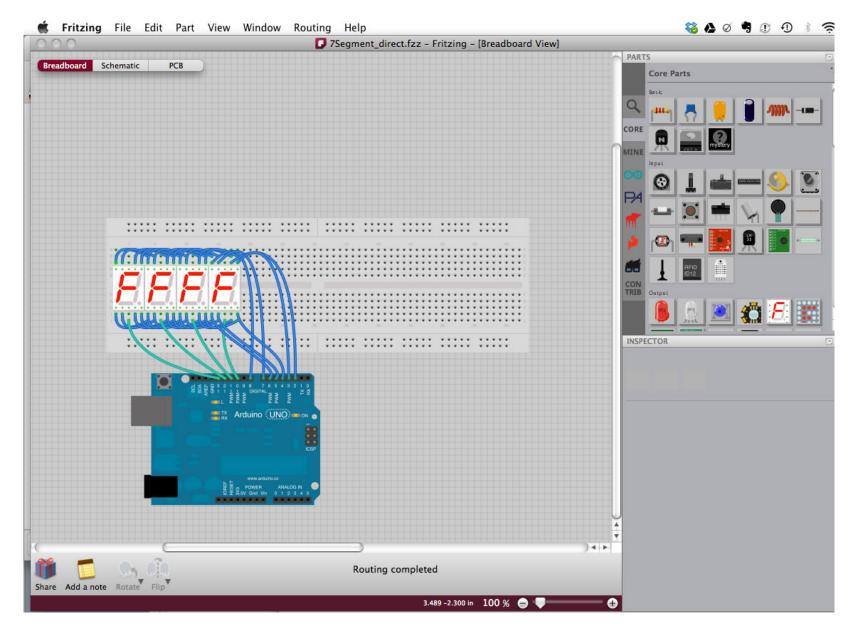
Inkscape http://inkscape.org/



GIMP (GNU Image Manipulation Program) http://www.gimp.org/



Comic Life http://comiclife.com/



Fritzing http://fritzing.org/

Comics Links

Will Eisner PS Preventive Maintenance Magazine at VCU Libraries http://dig.library.vcu.edu/cdm/landingpage/collection/psm

Larry Gonick Mathematical Cartoons at MSRI http://www.msri.org/ext/larryg/index.htm

Howtoons

http://www.howtoons.com/

Citizen Engineer

http://www.citizenengineer.com/

Google Chrome Comic

http://www.google.com/googlebooks/chrome/index.html

Soldering is Easy!

http://mightyohm.com/files/soldercomic/FullSolderComic_EN.pdf

Arduino!

http://www.jodyculkin.com/comics-2/introduction-to-arduino

E is for Electronics

http://www.adafruit.com/coloringbook

Software Links

Inkscape http://inkscape.org/

GIMP (GNU Image Manipulation Program) http://www.gimp.org/

Comic Life http://comiclife.com/

Fritzing http://fritzing.org/