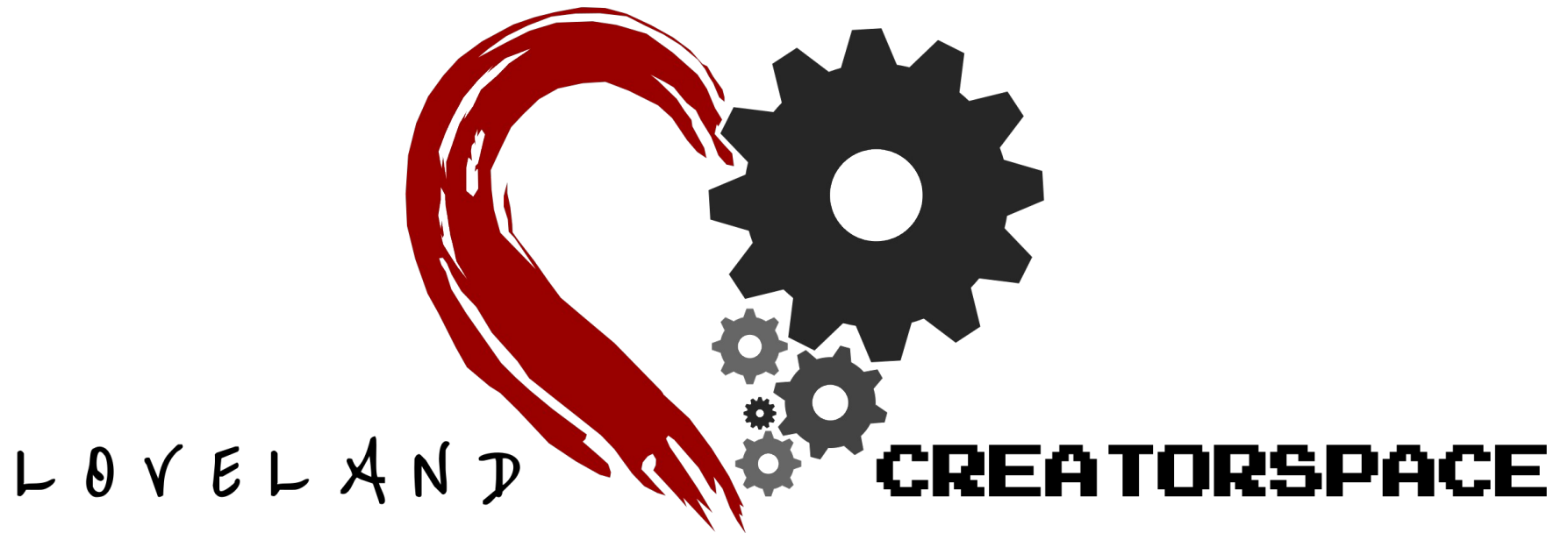


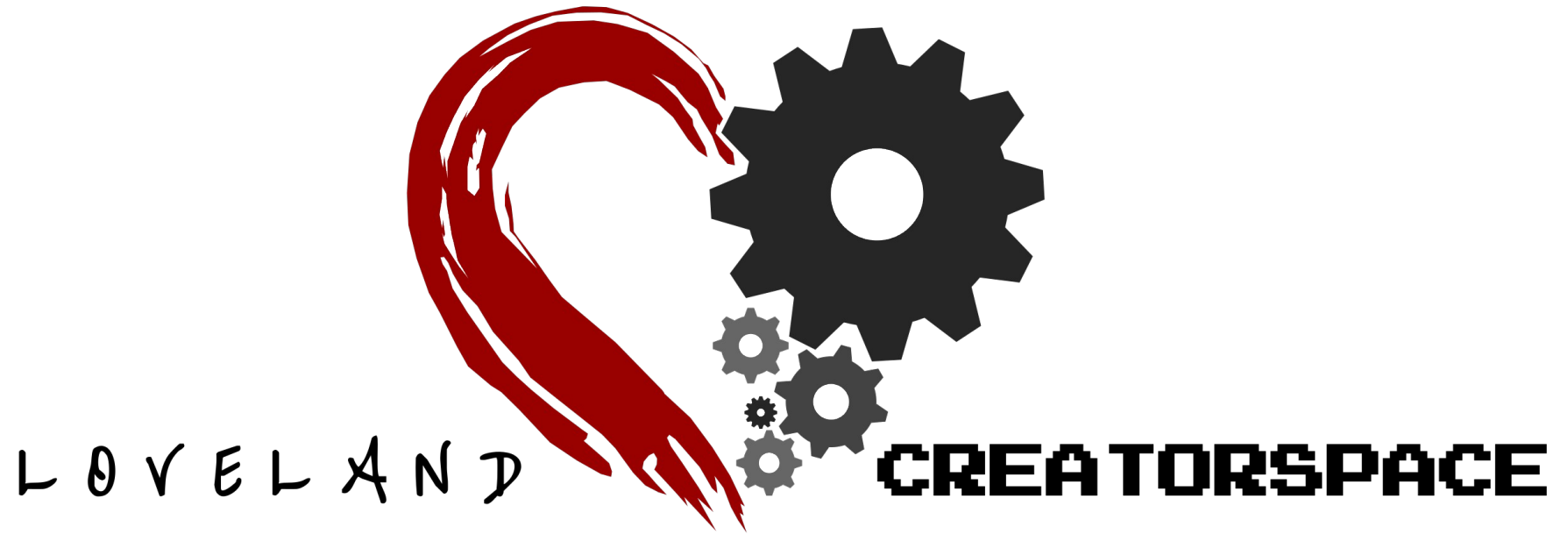
Arduino 101



Creative Commons



*Presented by Daniel Packard, Maurice Woods III and Stephen Warren
2013/12/14*



Loveland CreatorSpace will be a place where you can:

- Build projects
- Use tools
- Learn new skills
- Play music
- Create works of art
- Meet new people

Geek out!

Who's teaching this class?



Casey Kuhns -

Rocket scientist and engineer extraordinaire

- **Daniel Packard**

Software engineer and roboticist



Stephen Warren -

Embedded software, Linux kernel and FPGA wizard

On to the main event!

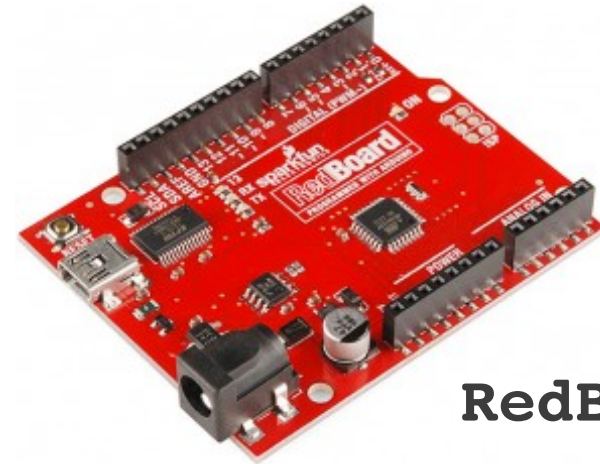


Arduino

On to the main event!



Arduino



RedBoard

You've been lied to!

This is a class on the RedBoard platform from:



Arduino (Redboard) is...



... an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software. It's intended for artists, designers, hobbyists and anyone interested in creating interactive objects or environments.

Really, Arduino (Redboard) is...

A micro-controller development board
for the ATmega328.

The Arduino development board allows
you to embed the ATmega328 processor
into a circuit, and program your
circuit to do:

Whatever you want!

Arduino 101

Installation:

Windows and Mac users:

Download the installer from:

- <http://arduino.cc>

Linux users (specifically Debian) :

In a terminal:

- `sudo apt-get install arduino`
- `sudo usermod -aG dialout <user>`

