

# Oscilloscopes

## From Noise Bridge

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# Oscilloscopes

## When?

Sunday, november 16th, 3:00PM to 4:30PM.

## Who?

David Stafford (me! <http://www.ugcs.caltech.edu/~dstaff/david.jpg>) and anyone who decides to help me will be teaching the class.

Anyone who already has minimal electronics experiance. If you've built even very basic circuits before, you're probably fit for this class.

## How many?

We will have three oscilloscopes for the class. Six people can work in teams of two. If someone can lend an oscilloscope for the class, we can have 8 people. Please sign up below and write something about what you want to learn so I can better target the class.

- Jacob (I'm just along for the ride, I'd like to better my understanding of triggers, etc)
- adi (I'm a digital scope boy livin' in an analog scope world)
- slot 3 jim i can bring a scope
- slot 4 Rachel
- slot 5 daniela
- slot 6 BillyBuggy I can bring a 2-channel, very easy-to-understand Oscilloscope. Will it be needed? (I don't want to carry it on Bart if I don't have to.) Mail me at [nye2@email.com](mailto:nye2@email.com), thanks.
- slot 7 Rigel

- slot 8

## What?

Topics to be covered include:

- Basics: how a CRT scope works
- Probe selection and calibration
- Measuring a constant voltage
- Changing voltages: triggering, AC versus DC coupling
- Looking at multiple signals
- Measuring complex signals: more triggering techniques.

You'll work in pairs analyzing various aspects of a simple 555 oscillator circuit and an EL wire driver. The class should take between 60 and 90 minutes. I expect 90% of the class to be hands on with little or no "lecture" time.

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Category: Events

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