Mousetraps & MP3 Players

Press Play: Interactive Device Design | March 28, 2011

In this class, you will learn:

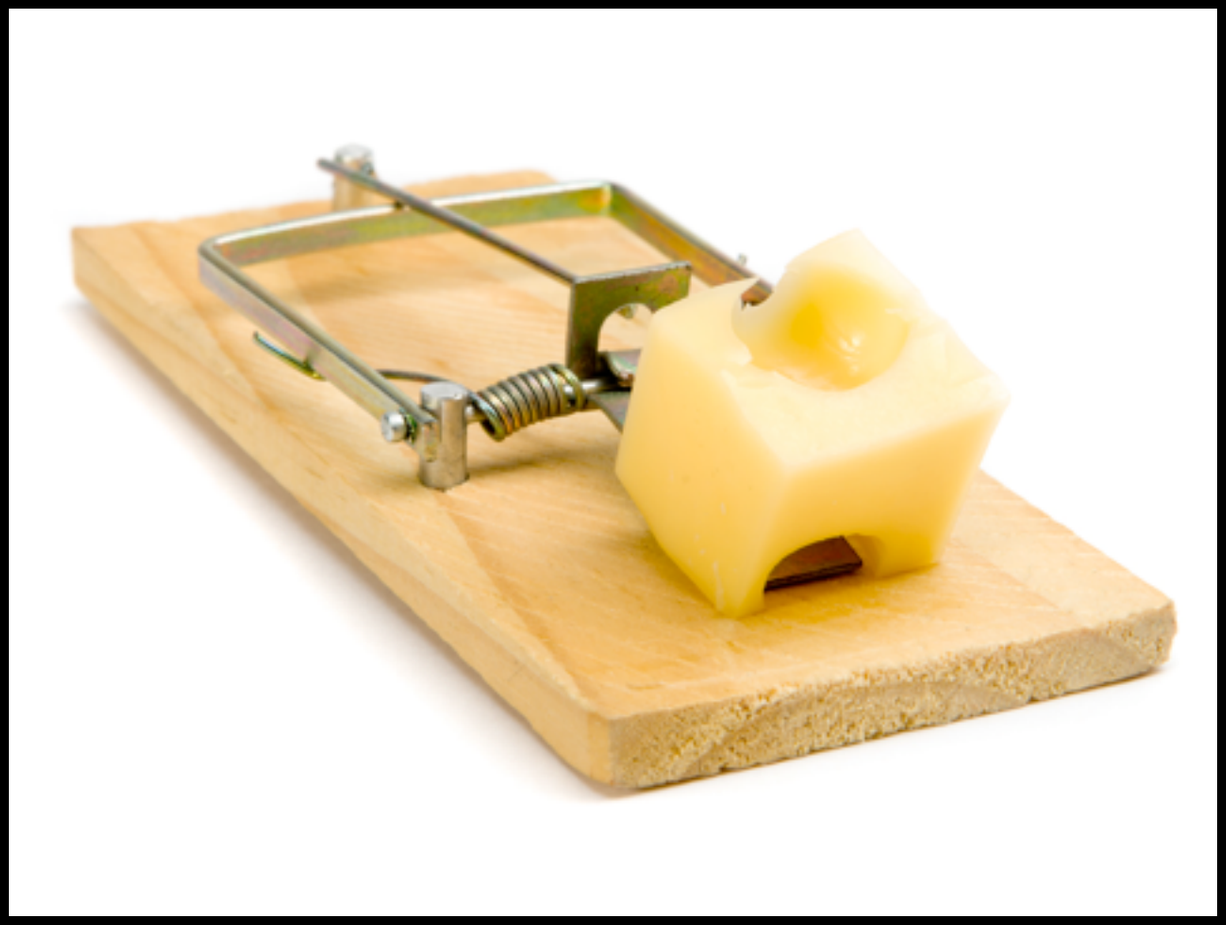
- Basic Electronics
- Sensors & Actuators
- Microcontroller programming
- Physical Prototyping
- Communciations

You will design:

- Light
- Digital Timer
- Data Logger
- Etch-a-Sketch
- MP3 player

Course website

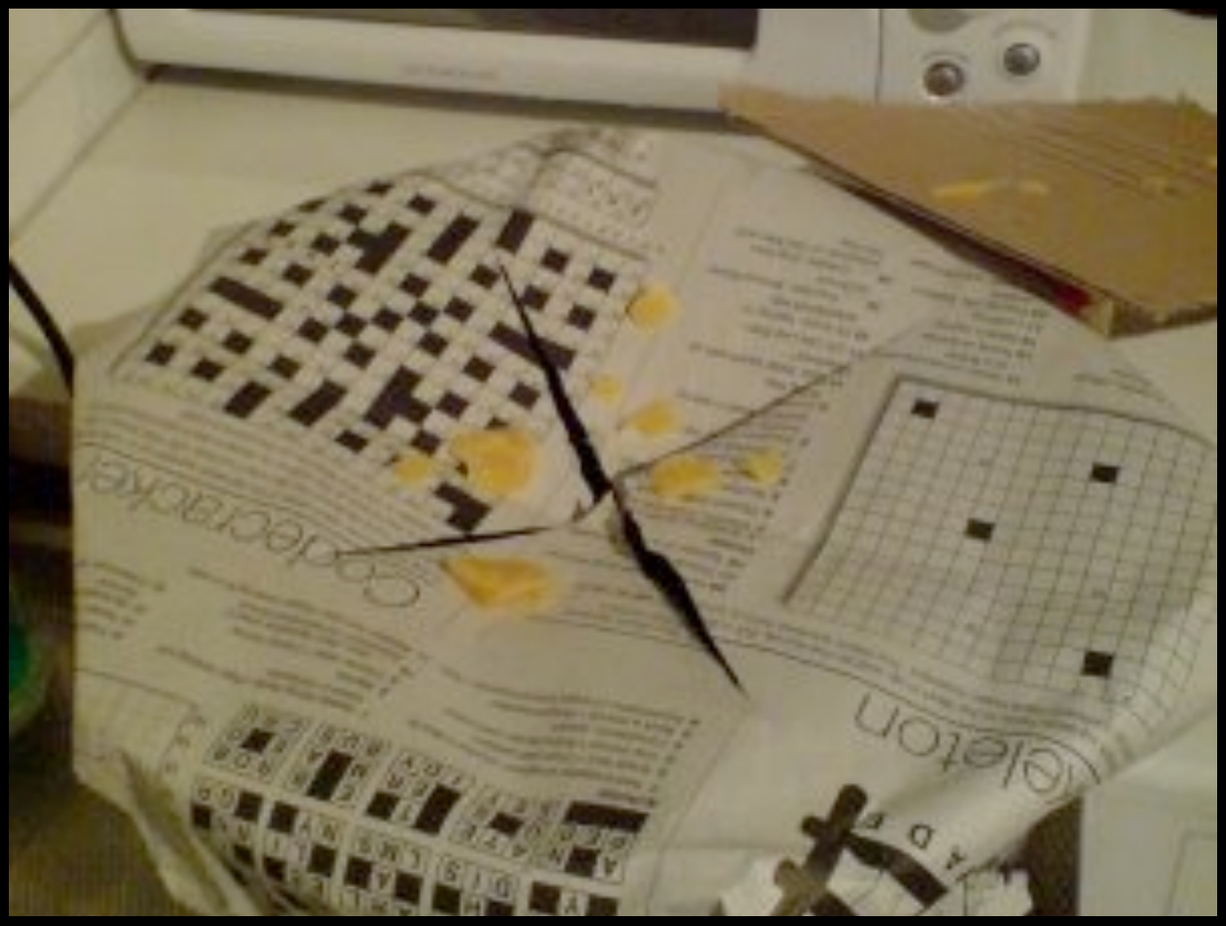
- http://ee47.stanford.edu
- http://pressplay.pbworks.com



Kills Mice!
Electronic Mouse Trap

Trap Man
TrapMan.co.uk

THE BETTER
MOUSETRAP



Now Playing
1 of 14
Dani California
Red Hot Chili Peppers
Stadium Arcadium
3:27
-1:15
MENU
Computer www.apple.com/ipod

9:42 AM
iPod
MacyGray
BIG
Macy Gray
Big

iPod
Music
Photos
Videos
Extras
Settings
Shuffle Songs
Now Playing
MENU
iPod
Music
Photos
Extras
Settings
Shuffle Songs
MENU

SAMSUNG MP3 PLAYER
SAMSUNG
SAMSUNG MP3 PLAYER
SAMSUNG
SAMSUNG MP3 PLAYER
SAMSUNG

Videos
Music
Pictures
FM Radio
Datacasts
Prime Pack
File Browser
Bluetooth
Settings
03:25AM

18
NOR
My style.mp3
MP3
192K
ROCK
00:02:28
004
010
mobiBLU

MP3
Car MP3 Player
107.9
CH
▶/II

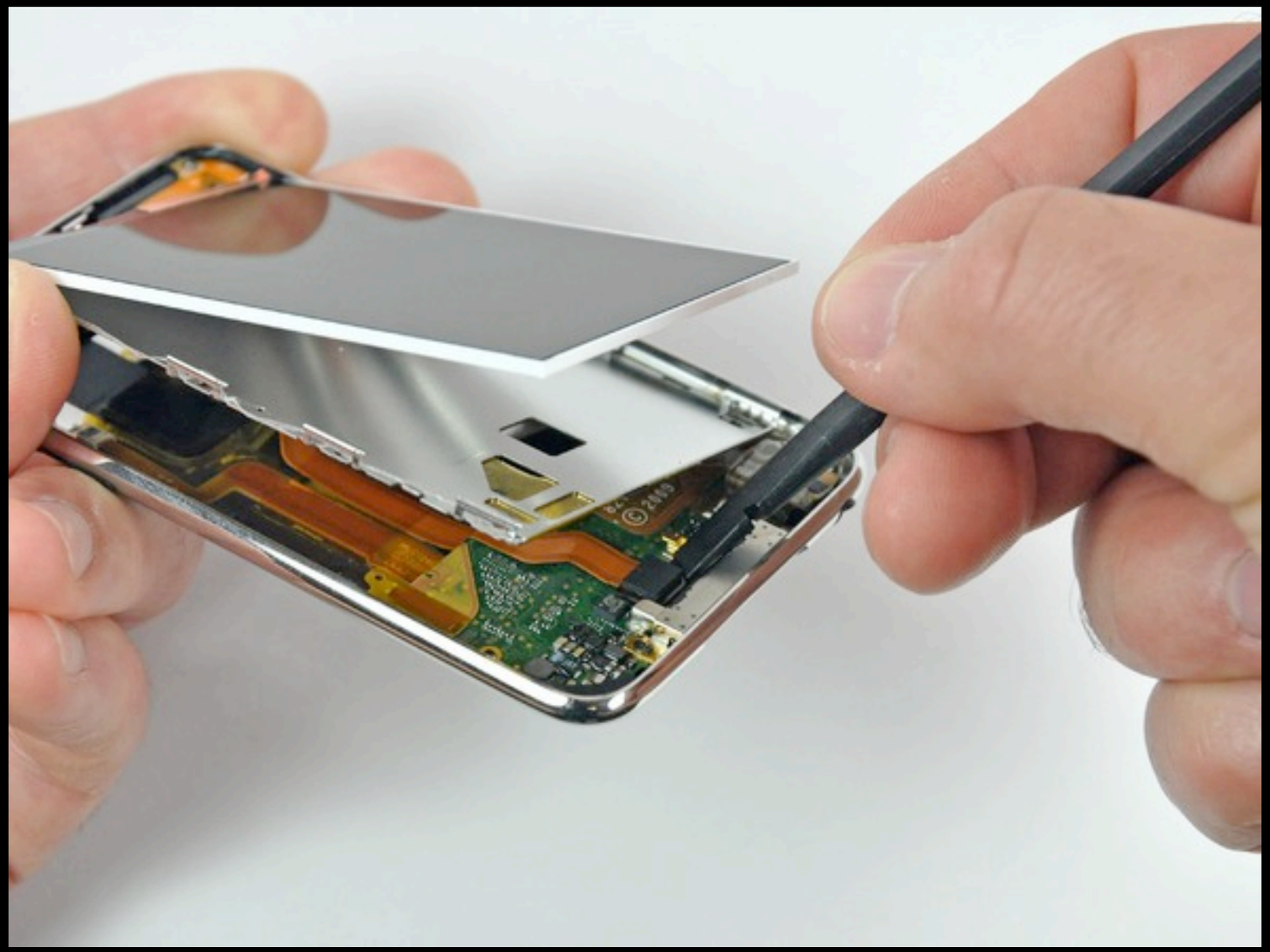
NEXTRUS

SweetPea3
MP3 Digital Music Player
Ages 0-6
Enrich a child's life through music sound and stories. Suitable for infant, pre-school and school-age children.
Try Me!
Press Middle Button
Susie Tallman & Jim Weiss
sweetpea toys
SweetPea3
08/2

sansa

DN-S3500
POWER
ON
OFF
COPY
A1
A2
SAMP.
B
STOP
CLR
REV.
B TRIM
PITCH/VOL.
EXIT/
RELOOP
TIME
MEMO
T.TIME
PRESET
EFFECTS
FWD
BOTH
DRY
WET
AUTO/INPUT BPM
TAP
LOCK
ECHO/LOOP
FLANGER
FILTER
CUE
DISC
EJECT
BRAKE
DUMP
REVERSE
DENON DJ
HOT START / LOOPING
A1
A2
B
CLR
FLIP
B TRIM
EXIT/
RELOOP
TITLE/ID3
CONT
/SINGLE
RELAY
MP3
FILE SEARCH
MODE
PARAMETERS
PUSH ON/OFF
TRACK SEARCH
NEXT TRACK
QUICK JUMP
FAST SEARCH
KEY ADJUST
PITCH
RANGE
PLATTER
SOURCE
MAIN : ORANGE
SAMP : GREEN
BEND/SEARCH
PITCH BEND

What is inside an LED light?



What is inside an MP3 player?