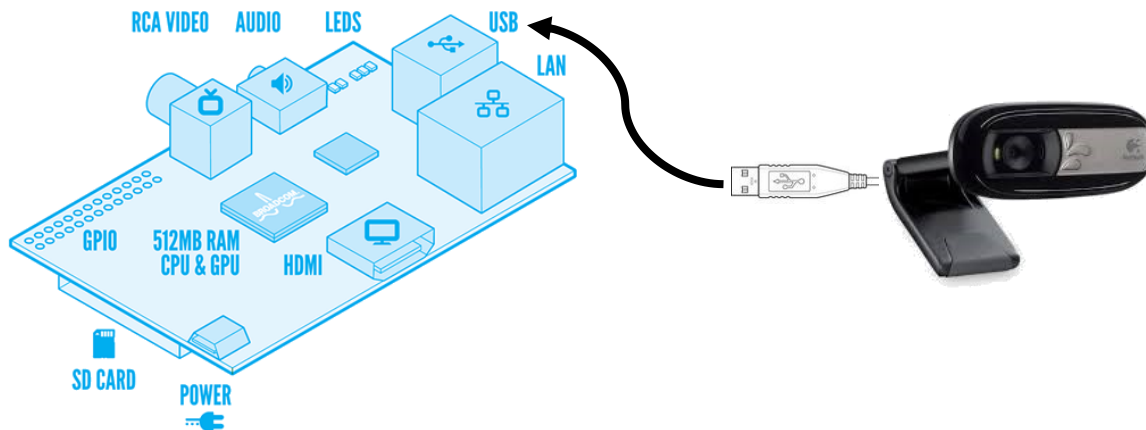




Learn ICT Raspberry Pi Cheat Sheets

Taking webcam pictures

Wiring Diagram



Plug the USB webcam into the Raspberry Pi USB socket. Note: Not all webcams work. Please refer to [this link](#) for working webcams. I have successfully tested a Logitech C170 and a PS3 Eyecam.

Code

```
# This line imports the ability to use commands that are used in the command line
from subprocess import call
# This line imports the time
from datetime import datetime

# This part is the function which runs the webcam and captures and image
def capture():
    dt = datetime.now().isoformat() # This grabs current time
    dtime = dt[0:4]+dt[5:7]+dt[8:10]+dt[11:13]+dt[14:16]+dt[17:19] # This formats the time to add to filename
    # this line runs the code that captures the image (adding the current time to filename)
    call(["fswebcam", "-d", "/dev/video0", "-r", "640x480", "--no-banner", "./%d.jpg" % int(dtime)])

# This line runs / calls the above function
capture()
```

Ideas

Try taking pictures triggered by sensors, at the push of a button or try to write a programme that take a picture and than attaches to an email, tweet etc.