

# Local Computer Basics – Practical Sheet

## Get Set Up

You will need to divide up into groups depending on the number of disassembled computers.

## Assembling a Computer

Taking from the parts available and the introduction to hardware, put together the computer's hardware so you have a functioning machine. This includes a working hard drive, optional drive and ethernet/internet port.

## Installing Ubuntu from scratch

You will each be given an Ubuntu CD from which you must install the computer. Taking care to select the correct boot device during start up.

To make the job of installation more challenging, you must partition the hard drive manually and create a separate and sufficiently sized root and home file systems with the correct mount points.

Once installed you must complete the following:

1. Install ubuntu-restricted-extras
2. Install skype and libdvdcss2 from the medibuntu repository
3. Install livestation from the downloaded binary (use chmod and execute the file)
4. Check for proprietary hardware driver requirements (nvida etc)

## Formatting a USB pen drive

Once installed you should take the provided USB drive and complete the following tasks:

1. Partition the drive with one ext3 file system
2. Label the drive as ClassFiles
3. Identify the device node in /dev/
4. Identify the mount point in /media/

## Mounting and Unmounting

To show an understanding of manual file system control please complete the following tasks in the command line:

1. Unmount drive using the command line
2. Create an empty directory in /mnt and manually mount the drive to it.
3. Copy the course files onto the drive