



# Workshop Learning Resource 1

## Getting Started with Rich but Free Media

### Introduction, Overview & Installation

#### **Part 1 - Introduction and Overview:**

**The first part of this document will introduce you to the ideas behind the Zero Dollar Laptop.**

**The Zero Dollar Laptop** is a recycled computer, running Free Open Source Software (FOSS) that is fast and effective - now and long into the future. The most common FOSS operating system is Linux. We will be installing a distribution of Linux called Ubuntu.

There are very good reasons to recycle computer hardware

- \* you can get technology for free because the owner no longer needs it
- \* if you use a Linux operating system you can use up-to-date software on older computers which today's Microsoft Windows won't run on.
- \* it is good for the environment

With a Zero Dollar Laptop you can do pretty much anything you can do with any other laptop: create great looking text documents (C.V.s, for instance); get on the internet to search for information to help you, and to search for jobs; download, play and create music; make podcasts; watch videos on YouTube; edit your mobile phone video; create accounts at social networking sites like Myspace and Facebook, and media sharing sites like Flickr and Vimeo; upload your photos and videos; create fantastic graphics with digital image software like the Gnu Image Manipulation Program...the list is endless, of course. On top this Zero Dollar Laptops are free!

But one of the great things about Linux is that is customisable, and we'll show you how to create your own desktop images and change the look and feel of your computer.

Many artists, designers and musicians are turning to Open Source software as a good alternative to expensive branded applications.

The license Free and Open Source software is released under means people can share it freely, and it is free to download from the internet (the GNU General Public License).

There are similar licenses now for media like music, video, electronic books and photographs (Creative Commons licenses).

This week we will start by installing Linux.



## **Workshop Learning Resource 1** **Getting Started with Rich but Free Media** **Introduction, Overview & Installation**

### **Links:**

More information about Linux and Free and Open Source software:

[www.linux.org](http://www.linux.org)

[www.linux-tutorial.info](http://www.linux-tutorial.info)

[www.gnu.org](http://www.gnu.org)

Some social networking websites:

[www.facebook.com](http://www.facebook.com)

[www.myspace.com](http://www.myspace.com)

[www.identi.ca](http://www.identi.ca)

[www.bebo.com](http://www.bebo.com)

Sharing media:

[www.flickr.com](http://www.flickr.com) (photos)

[www.youtube.com](http://www.youtube.com) (video)

[www.vimeo.com](http://www.vimeo.com) (video)

[www.myspace.com](http://www.myspace.com) (music)

Licenses:

[www.gnu.org/licenses/gpl.html](http://www.gnu.org/licenses/gpl.html)

[www.creativecommons.org.uk](http://www.creativecommons.org.uk)



# Workshop Learning Resource 1

## Getting Started with Rich but Free Media

### Introduction, Overview & Installation

## Parts 2 - Installation

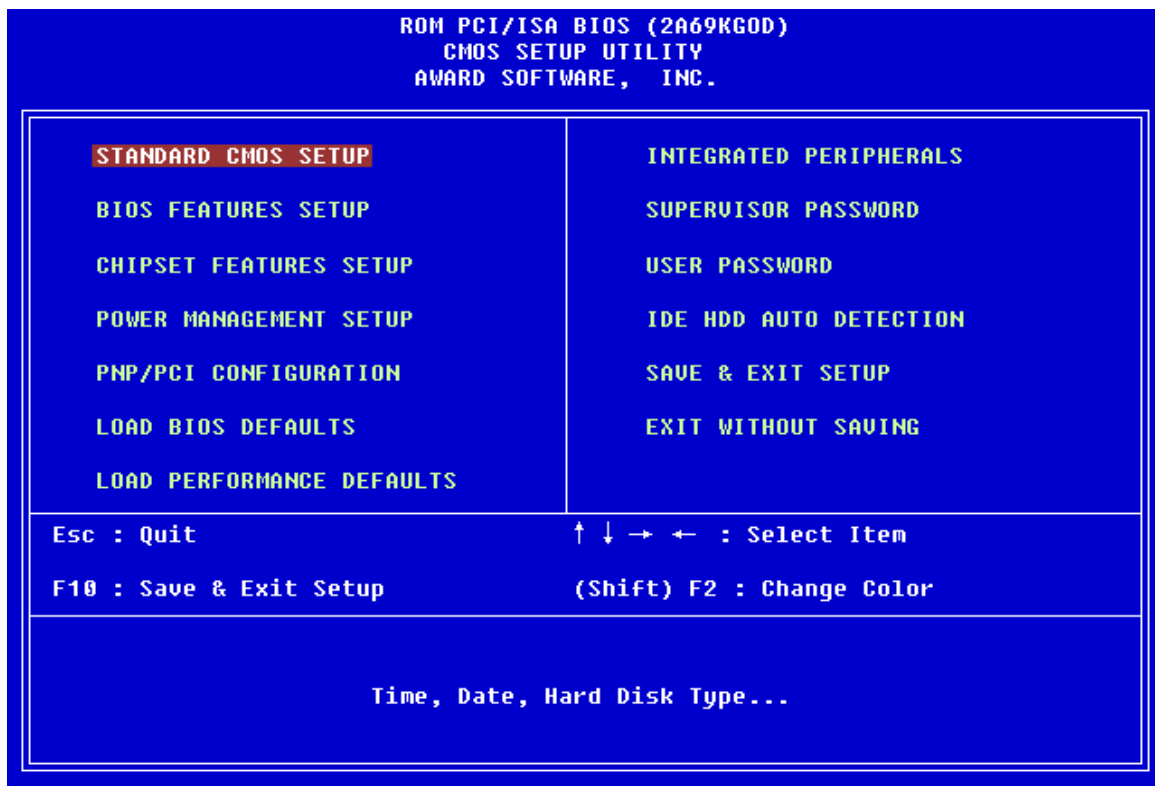
The next section will help you to install a Linux operating system on your computer.

### Before installing:

When you restart the computer with a Linux boot CD/DVD in the drive it is likely that your computer will boot straight away, but if it doesn't you will need to change the boot order in the bios. The bios is software which gives the operating system some basic instructions and information about the computer so that it can boot up.

Getting to the bios can be a bit tricky as sometimes there are no instructions on screen how to do it. When your computer starts up for a few seconds you may see "To enter setup press Esc" or something similar. If you do, press whatever key it asks you to (it may be F1, for instance). But you need to be quick - you may have no more than a couple of seconds!

If you see no instructions try pressing Esc, F1, F2 or any of the other keys in the same row as these, or Del. One of them should work.

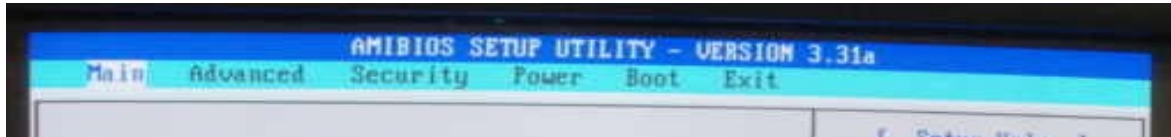


A page like this should appear if you are successful. It may look slightly



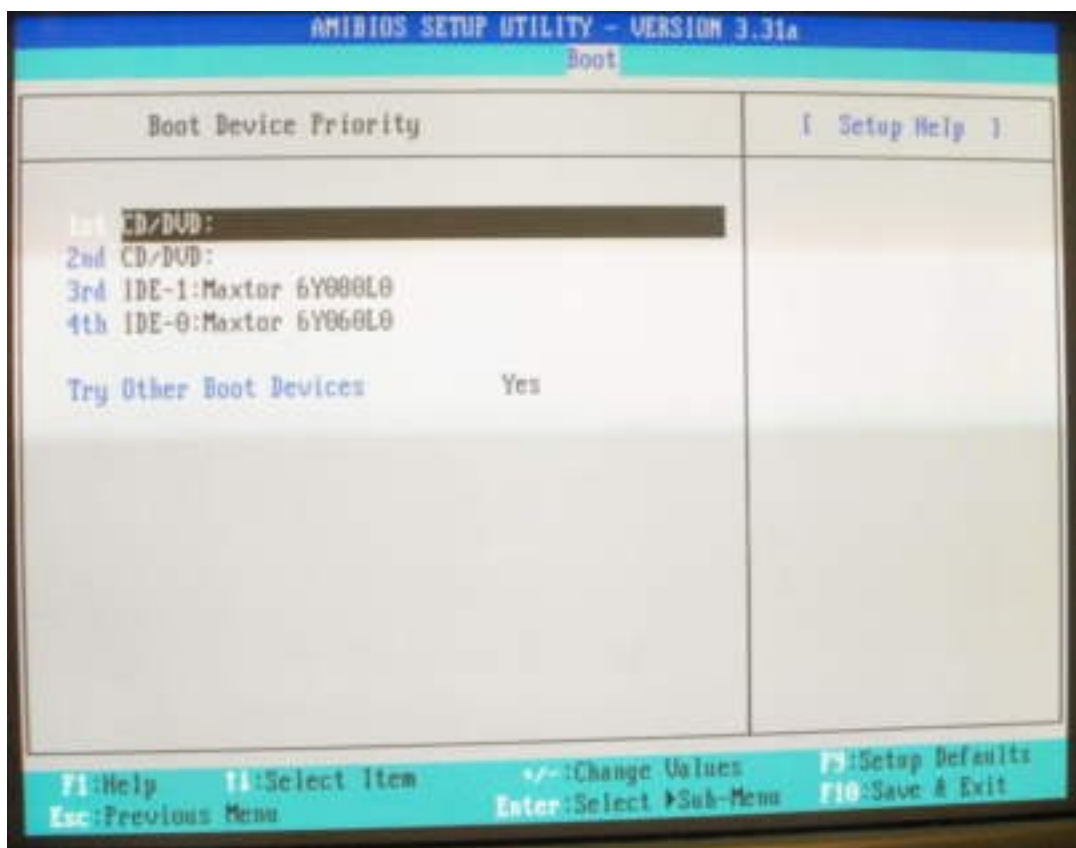
## Workshop Learning Resource 1 Getting Started with Rich but Free Media Introduction, Overview & Installation

different, so you may need to navigate up and down with the arrow keys. In this case you need to go into STANDARD CMOS SETUP so once it is highlighted press the return key. However you may be taken straight away to a screen like the one below.



This has a menu running along the top. Use the arrow key to get to BOOT and press return.

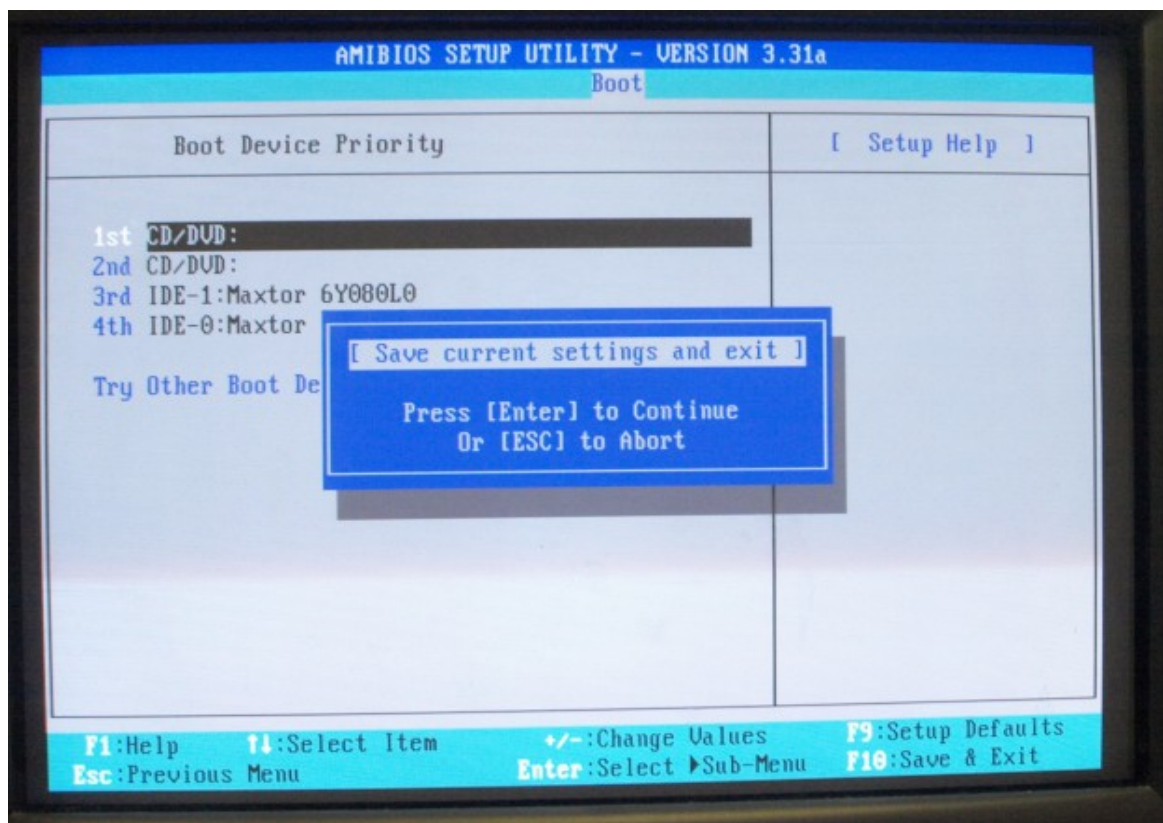
This page is where you can change the boot order.



Follow the instructions on how to move a particular device up or down - move the CD/DVD to the top.



## Workshop Learning Resource 1 Getting Started with Rich but Free Media Introduction, Overview & Installation



Save the new settings and restart the computer with the Ubuntu boot DVD or CD in the drive.

You are now about to install Linux on the computer.

### **Installing Linux:**

The guide on how to install Ubuntu Linux which follows contains pictures from the Ubuntu Community installation tutorial for a standard Ubuntu desktop distribution. There is a link to the website below.

The Ubuntu Community web pages are a great resource which can help you to find solutions when you come across problems or to find general information about the Ubuntu operating system.

Most laptops have Microsoft Windows installed on them. During this install process we will completely overwrite Windows.

Ubuntu has what is called a "graphical install" which will guide you through the installation.



# Workshop Learning Resource 1

## Getting Started with Rich but Free Media

### Introduction, Overview & Installation

When the laptop is restarted with an installation disc in the CD/DVD drive the first thing you'll be asked is to choose a language.



Next, choose to install Ubuntu





# Workshop Learning Resource 1

## Getting Started with Rich but Free Media

### Introduction, Overview & Installation

Next is the Welcome page where you confirm the language preference



Choose where in the world you are



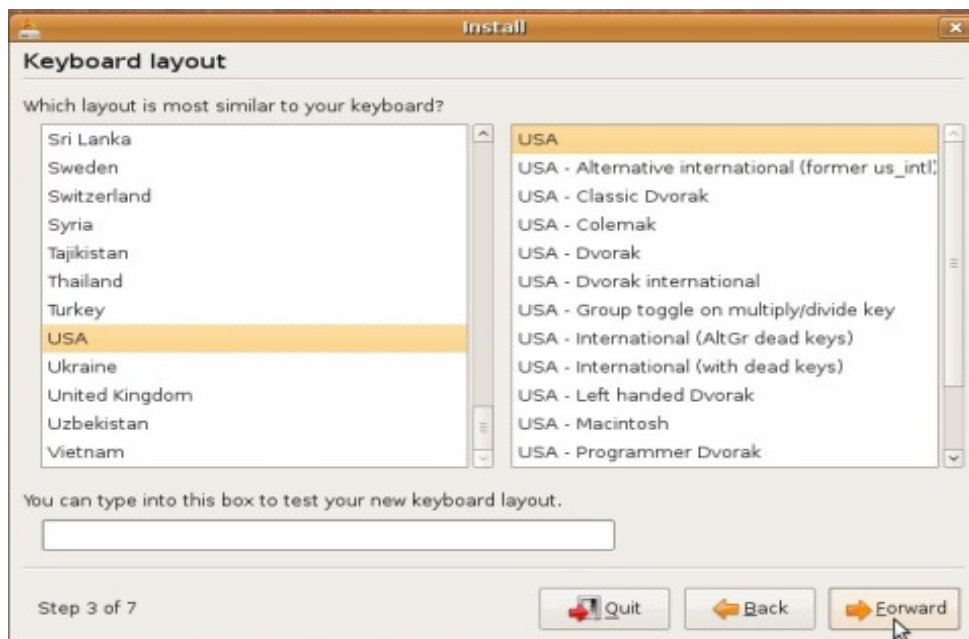


# Workshop Learning Resource 1

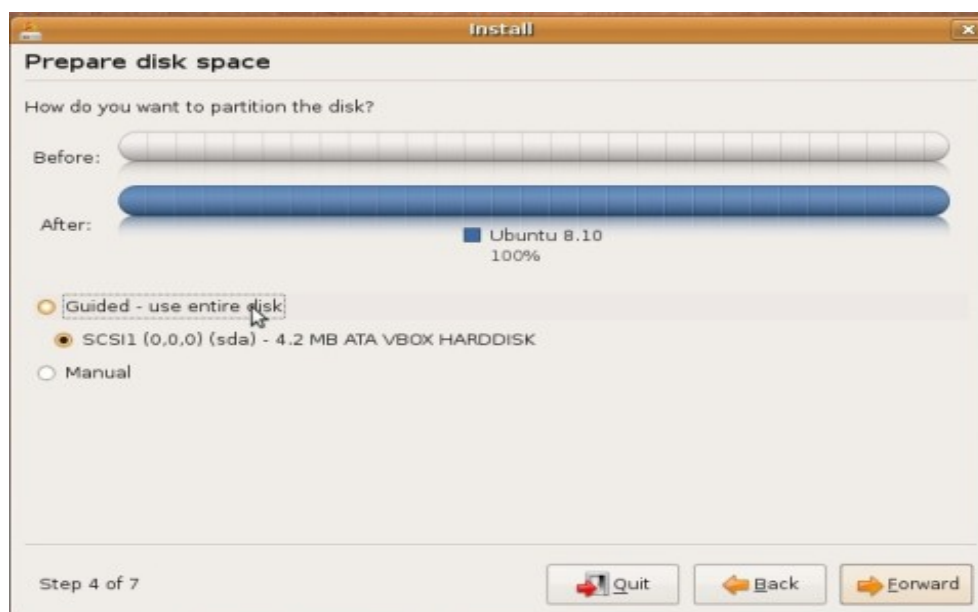
## Getting Started with Rich but Free Media

### Introduction, Overview & Installation

For the Keyboard layout choose United Kingdom!



Next, choose to install on the hard drive and overwrite Windows. Use Guided – use entire disk



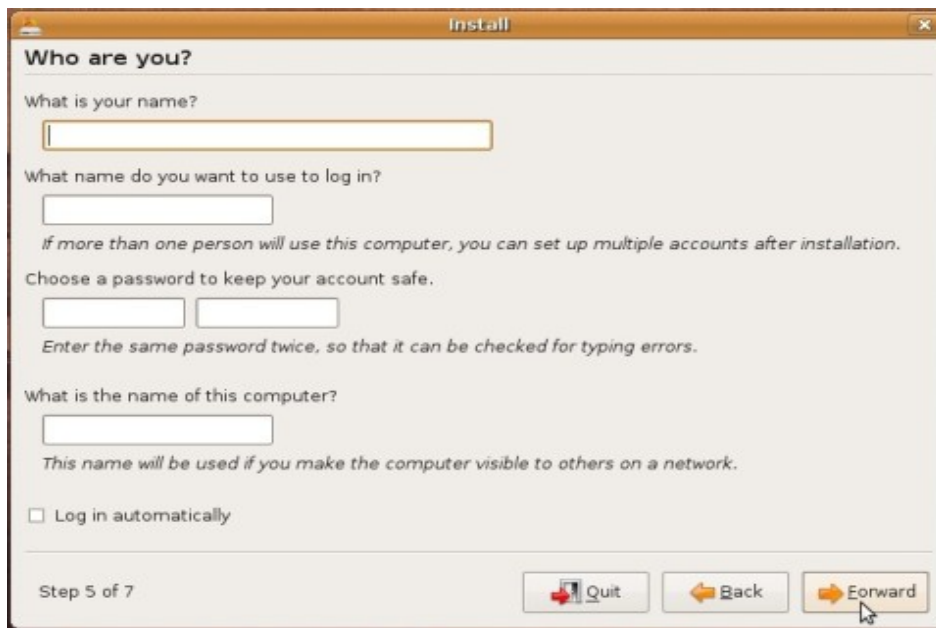


# Workshop Learning Resource 1

## Getting Started with Rich but Free Media

### Introduction, Overview & Installation

Choose a user name and a password, and the name of the computer



Check the details you have entered are ok and press install.





## Workshop Learning Resource 1 Getting Started with Rich but Free Media Introduction, Overview & Installation

When the installation is finished you will be asked to restart the computer



And that's it! Congratulations, you have installed Linux on the computer.

Links:

A video of how to use graphical installer is here:

<http://www.youtube.com/watch?v=w8a-smrPlvE&hd=1>

Ubuntu Community installation tutorial for standard Ubuntu desktop distribution:

<https://help.ubuntu.com/community/GraphicalInstall>

### **Conclusion:**

In this first session you have had an introduction to the idea of the Zero Dollar Laptop and been introduced to Open Source software.

You have seen first hand how easy it is to install Ubuntu Linux on a computer and get onto the internet to take advantage of what is available to you for free.

In the next section we will take a look at online technical forums, take an in depth look inside the computer, by doing some hardware maintenance, and take a tour of the Linux operating system.