Campus technique

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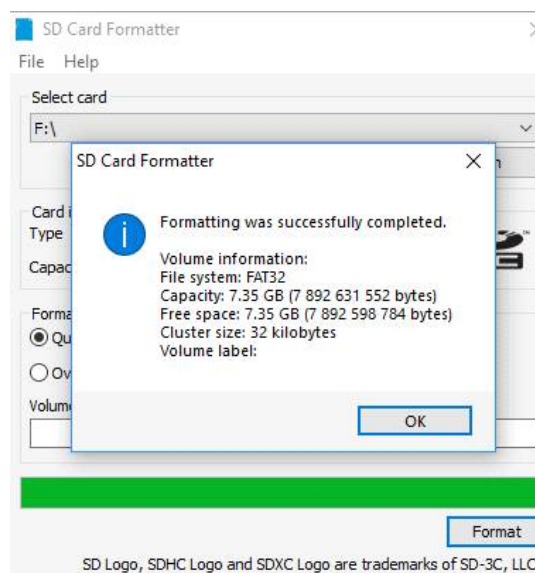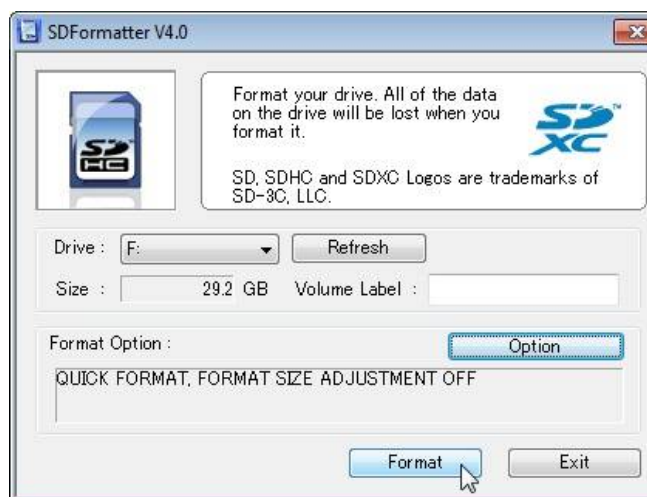www.heh.be

# NANO ORDINATEURS – CONCEPTION DE PROJET – IRT2/BLOC 2
Bachelier en Informatique et systèmes finalité Réseaux et télécommunications

## Installation de Raspbian avec NOOBS (version EN) :
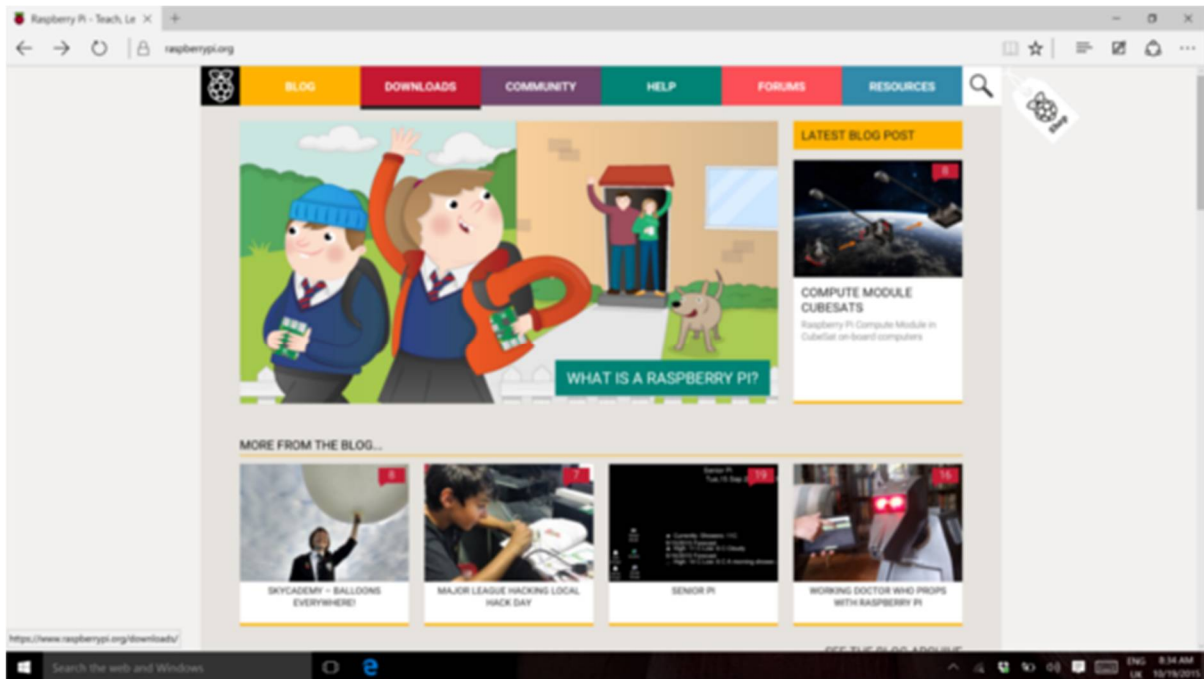
### I.      Install Raspbian with NOOBS

NOOBS stands for **N**ew **O**ut **O**f **B**ox **S**oftware, and if you've never played around with GNU/Linux before, then it's the best place to start. To begin with, it's always a good idea to make sure you have formatted your SD card. You'll need to make sure your computer has a built-in SD card reader, or you can use a USB SD card reader.

1.  Visit the SD Association's website and download SD Formatter 4.0 for either Windows or Mac. (https://www.sdcard.org/downloads/formatter_4/index.html)

2.  Follow the instructions to install the software.

3.  Insert your SD card into the computer or laptop's SD card reader and make a note of the drive letter allocated to it, e.g. F:/ .

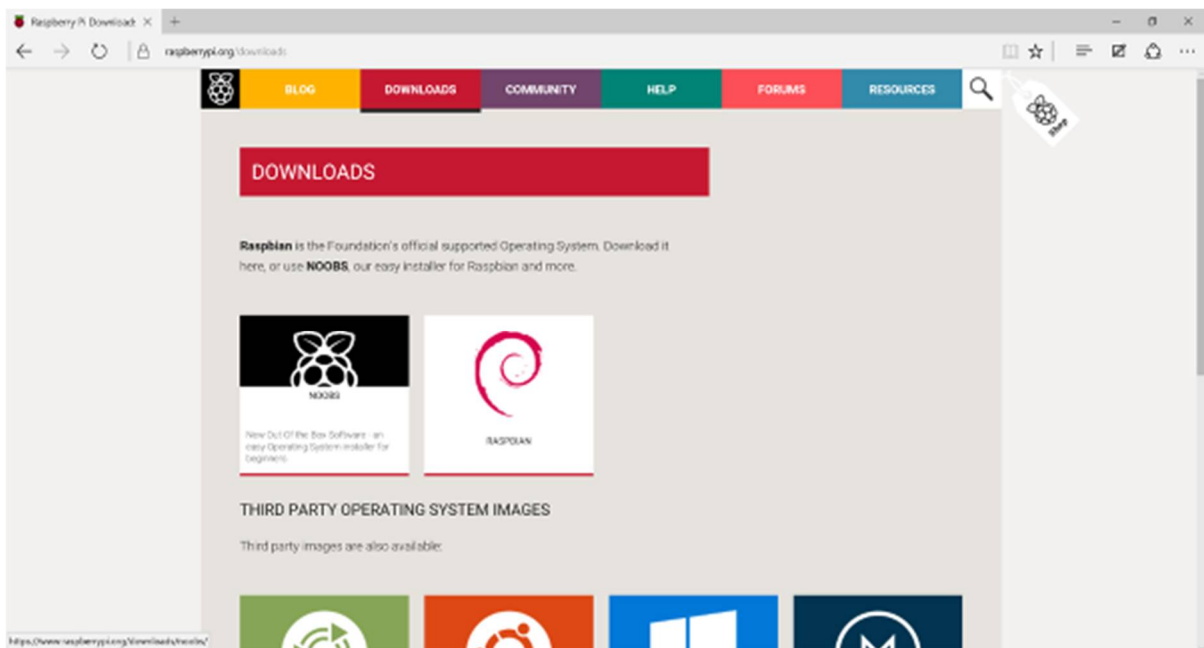4.  In SD Formatter, select the drive letter for your SD card and format it.

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## II.    Download NOOBS files then drag and drop

1.  Visit the official Raspberry Pi Downloads page.( https://www.raspberrypi.org/downloads/noobs/ )



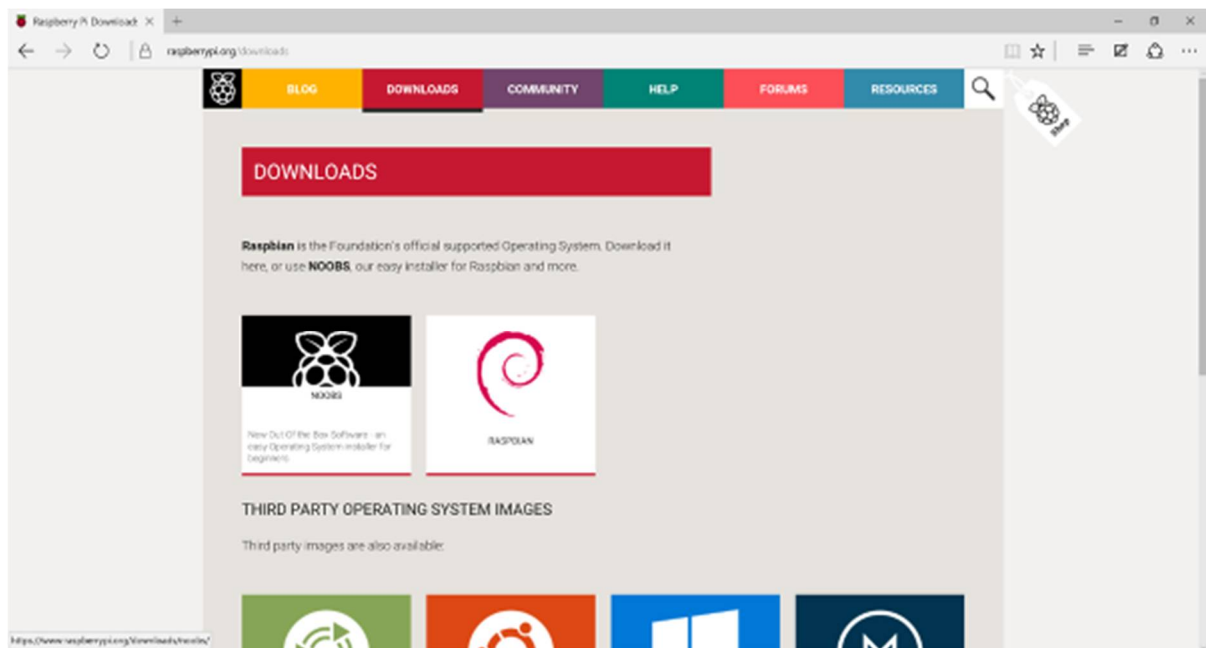2.  Click on **NOOBS (size :1.5GB)**.



3.  Click on the **Download ZIP** button under 'NOOBS (offline and network install)', and select a folder to save it to.

4.  Extract the files from the zip.

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5.  Once your SD card has been formatted, drag all the files in the extracted NOOBS folder and drop them onto the SD card drive.

6.  The necessary files will then be transferred to your SD card.

7.  When this process has finished, safely remove the SD card and insert it into your Raspberry Pi.
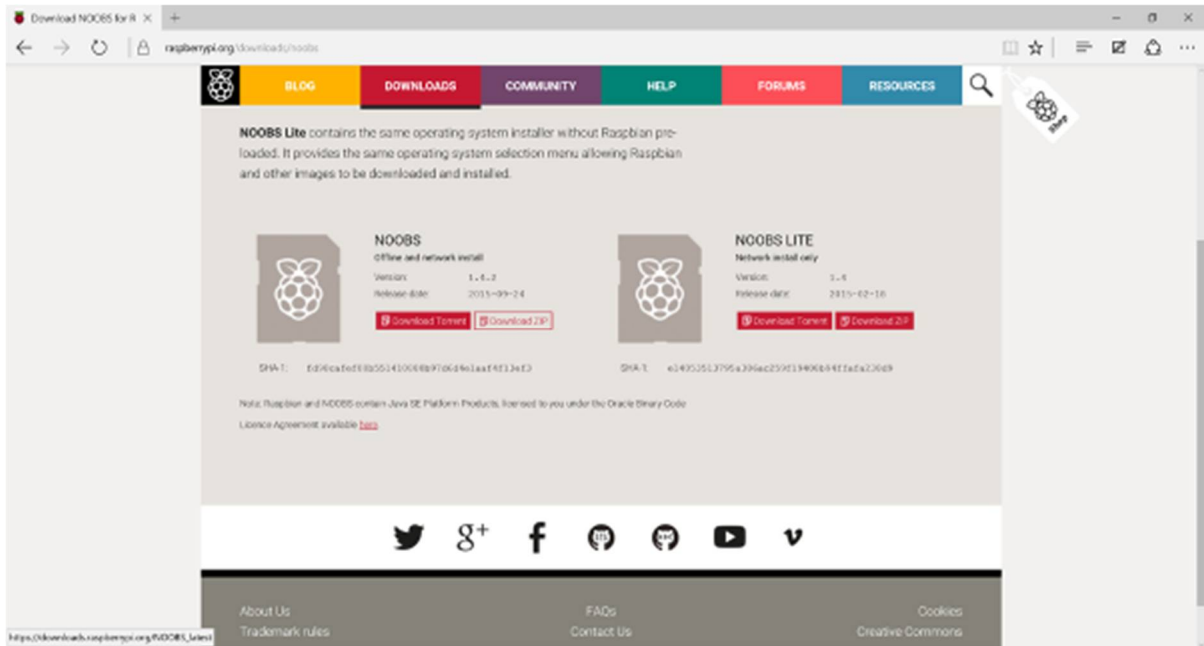
### III. Download and image Raspbian directly

An alternative to using NOOBS to install Raspbian is to download and install the image directly. This is a faster process, and is great if you need to image multiple cards for a workshop or class.

1.  Using a computer with an SD card reader, visit the official Raspberry Pi Downloads page. (https://www.raspberrypi.org/downloads/)

2.  Click on **Raspbian**.



3.  Click on the **Download ZIP** button under 'Raspbian Jessie (full desktop image)', and select a folder to save it to.

4.  Extract the files from the zip.

5. Visit etcher.io and download and install the Etcher SD card image utility.

6. Run Etcher and select the Raspbian image you unzipped on your computer or laptop.

7. Select the SD card drive. Note that the software may have already selected the right drive.

8. Finally, click **Burn** to transfer Raspbian to the SD card. You'll see a progress bar that tells you how much is left to do. Once complete, the utility will automatically eject/unmount the SD card so it's safe to remove it from the computer.