

# **Installation Guide: Installation of tools and applications required for rolling out ICT in Schools**

## **Step 1: Configure Ubuntu to install software packages**

**Important:** Ensure that you are connected to internet before proceeding.

1. Search your computer for “Software and Updates”. The Software and Updates window opens.
2. Click the Other Software tab.
3. Select Canonical Partners and Canonical Partners (Source Code) check boxes.
4. Click Close.
5. Enter system password “[pass@123](#)”.
6. Click Reload.

The system will take a few minutes to update the necessary software list. The window closes automatically after installation.

## **Step 2: Install these softwares**

### **1. Installation of Tuxpaint in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`

Type password (no visual feedback so just type in mind) when it asks, and hit Enter to continue.

2. `sudo apt-get install tuxpaint`

Type ‘Y’, when asked “yes/No” and hit Enter to continue.

### **2. Installation of Tuxmath in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`

Type password (no visual feedback so just type in mind) when it asks, and hit Enter to continue.

2. `sudo apt-get install tuxmath`

Type ‘Y’, when asked “yes/No” and hit Enter to continue.

### **3. Installation of Gcompris in Ubuntu:**

Go to Ubuntu Software store, search "Gcompris", click install.

Or

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`
2. `sudo apt-get install gcompris`

### **4. Installation of EduActiv8 in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo sh -c "echo 'deb  
http://download.opensuse.org/repositories/home:/imiolek-i/xUbuntu_16.04/ /' >  
/etc/apt/sources.list.d/home:imiolek-i.list"`

Type password (no visual feedback so just type in mind) when it asks, and hit Enter to continue.

2. `sudo apt-get update`

Type 'Y', when asked "yes/No" and hit Enter to continue.

3. `sudo apt-get install eduactiv8`

### **5. Installation of Turtleblocks in ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo add-apt-repository ppa:alanjas/turtleblocks`
2. `sudo apt-get update`
3. `sudo apt-get install turtleblocks`

### **6. Installation of MyPaint 1.2.0 in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo add-apt-repository ppa:achadwick/mypaint-testing`

It will add the developer's PPA after you typing password (no visual feedback so just type in mind) when it asks, and hitting Enter to continue.

2. `sudo apt-get update`

3. `sudo apt-get install mypaint mypaint-data-extras`

### **7. Installation of Audacity in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`
2. `sudo apt-get install audacity`

### **8. Installation of Freeplane in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`
2. `sudo apt-get install freeplane`

### **9. Installation of Openshot Video editor in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

```
sudo add-apt-repository ppa:openshot.developers/ppa
sudo apt-get update
sudo apt-get install openshot-qt
```

### **10. Installation of Inkscape in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo add-apt-repository ppa:inkscape.dev/stable`
2. `sudo apt-get update`
3. `sudo apt install inkscape`

### **11. Installation of Kalzium in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`
2. `sudo apt-get install kalzium`

### **12. Installation of Kanagram in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`

2. `sudo apt-get install kanagram`

### **13. Installation of Avogadro in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get update`
2. `sudo apt-get install avogadro`

### **14. Installation of Kazam in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt install kazam`

### **15. Installation of Scratch in Ubuntu:**

[https://scratch.mit.edu/scratch\\_1.4/](https://scratch.mit.edu/scratch_1.4/)

### **16. Installation of KmPlot in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt install kmplot`

### **17. Installation of Google earth in Ubuntu:**

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

or

Go to Ubuntu Software store, search "Google earth", click install.

### **18. Installation of Pencil in Ubuntu:**

<https://pencil.evolus.vn/Downloads.html>

### **19. Installation of Grass GIS in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo add-apt-repository ppa:ubuntugis/ubuntugis-unstable`
2. `sudo add-apt-repository ppa:grass/grass-devel`
3. `sudo apt-get update`
4. `sudo apt-get install grass-daily`

## **20. Installation of Marble in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt install marble`

## **21. Installation of KIG in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt install kig`

## **22. Installation of Stellarium in Ubuntu:**

Go to Ubuntu Software store, search "Stellarium", click install.

## **23. Installation of Geogebra in Ubuntu:**

Go to Ubuntu Software store, search "Geogebra", click install.

## **24. Installation of Jfraction Lab in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get install jfractionlab`

## **25. Installation of Tangram in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo apt-get install gtans`

## **26. Installation of GIMP in Ubuntu:**

Open terminal from Unity Dash, App Launcher, or via Ctrl+Alt+T shortcut key. When it opens, paste below command and hit run:

1. `sudo add-apt-repository ppa:otto-kesselgulasch/gimp`
2. `sudo apt-get update`
3. `sudo apt-get install gimp`