

HeNN eLibrary Teachers Training 2015

Presented by:
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& KUOSC Team

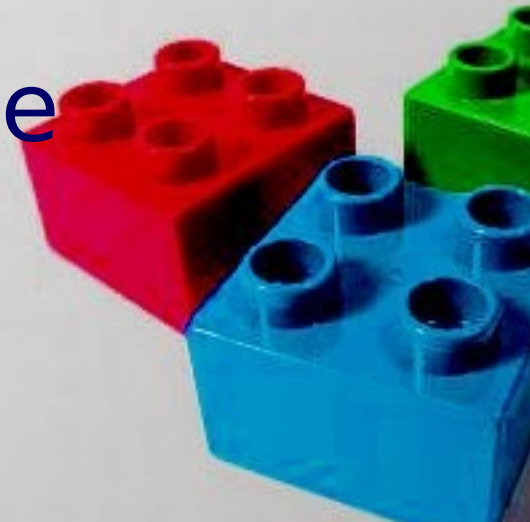
Edubuntu For Education

Edubuntu for Elementary School Students:



Ashish Belwase

2013



- What have the students been learning in computer class? - pace of teaching in the five classes.
- Curriculum based on Edubuntu.
- Why Edubuntu? Open source, addresses educational needs
- Ubuntu - Linux based OS. Meaning - humanity to others
- Edubuntu - officially supported derivative of Ubuntu
- Edubuntu contains large number of educational applications that aids teaching of language skills, mathematics, science and geography, besides the computer skills.
- Edubuntu is developed to enable teachers with limited technical skills to set-up a computer lab and become computer teachers

Impact on Teaching and Learning

- Minimize cost of OS
- Open Source Capabilities
- LTSP enables more machine to be used by students
- Many more useful tools
- Used by many many schools and institutions from world.
 - including 4000+ schools in the Andalusia Region of Spain (380,000 netbooks, 200,000 desktops, and 5500+ servers), several hundred schools in various regions of India (100,000+ systems), 25 schools in Serbia (benefiting over 2600 students), and in several dozen city/county school systems in Australia, Belgium, Bolivia, Brazil, Canada, China, El Salvador, Finland, Germany...and many more...

Topics: First Session

I. Getting started (30 minutes)

- How to log in and shut down a PC
- Explore applications –writing document, using paint, calculator, playing opening audio/ video files and games
- Desktop – icons, task bar and wall paper

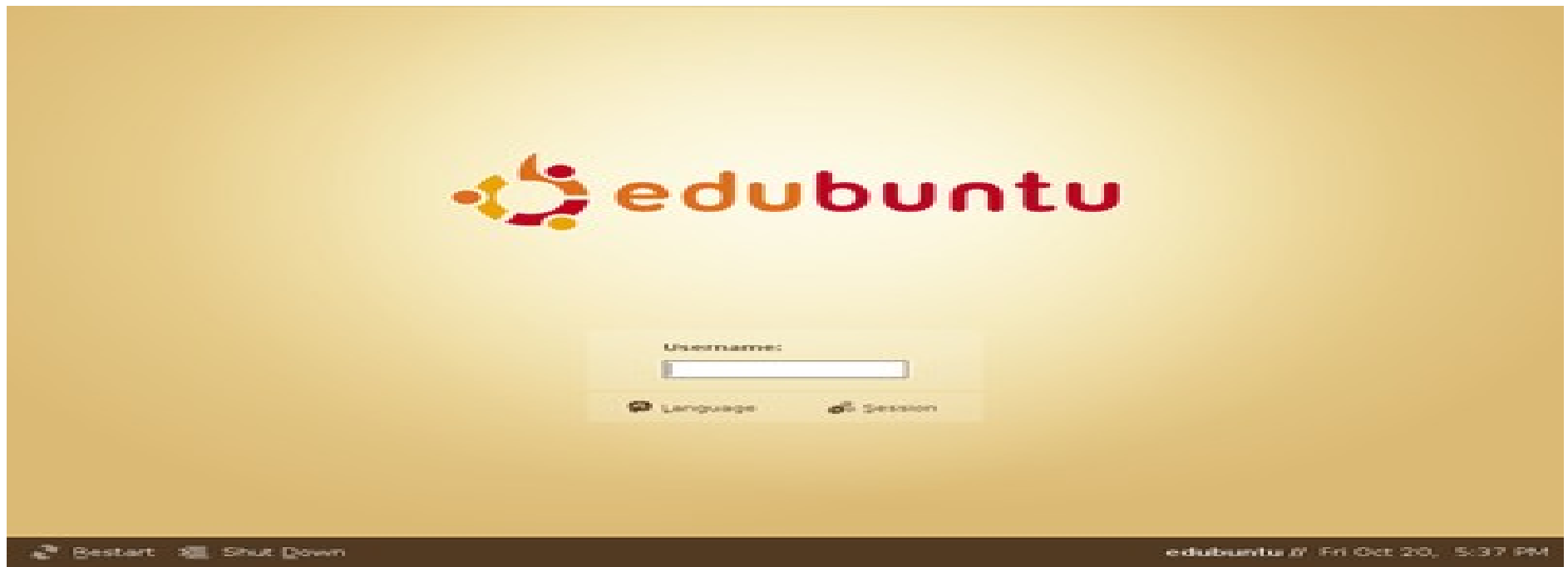
II. Using Computers Effectively – Height of chair/ desk, posture, exercises for neck/ fingers/ wrist

- ❖ Practice paint, play games - educational suite Gcompris (40 mins)

Getting started

How to login to computer:

1. Switch ON the main power supply button and ON the CPU and the monitor. Now wait for sometime and watch the screen carefully.
2. A window will pop up and ask you to enter user name
3. After you enter the user name, it will ask for password. This is to check that the user is authorized to use the computer



Getting started

How to Shut Down:
System → Quit → Shutdown



Explore applications

- Applications → Accessories → Calculator
- Applications → Accessories → Text Editor
- Applications → Graphics → Tux Paint
- Applications → Sound and Media → VLC player
- Applications → Games → Education Suite

Gcompris

Gcompris – for teaching keyboard/ mouse skills, arithmetic, spellings, colours, logical thinking, etc. (Kids just love it!)

Desktop – icons, task bar and wall paper

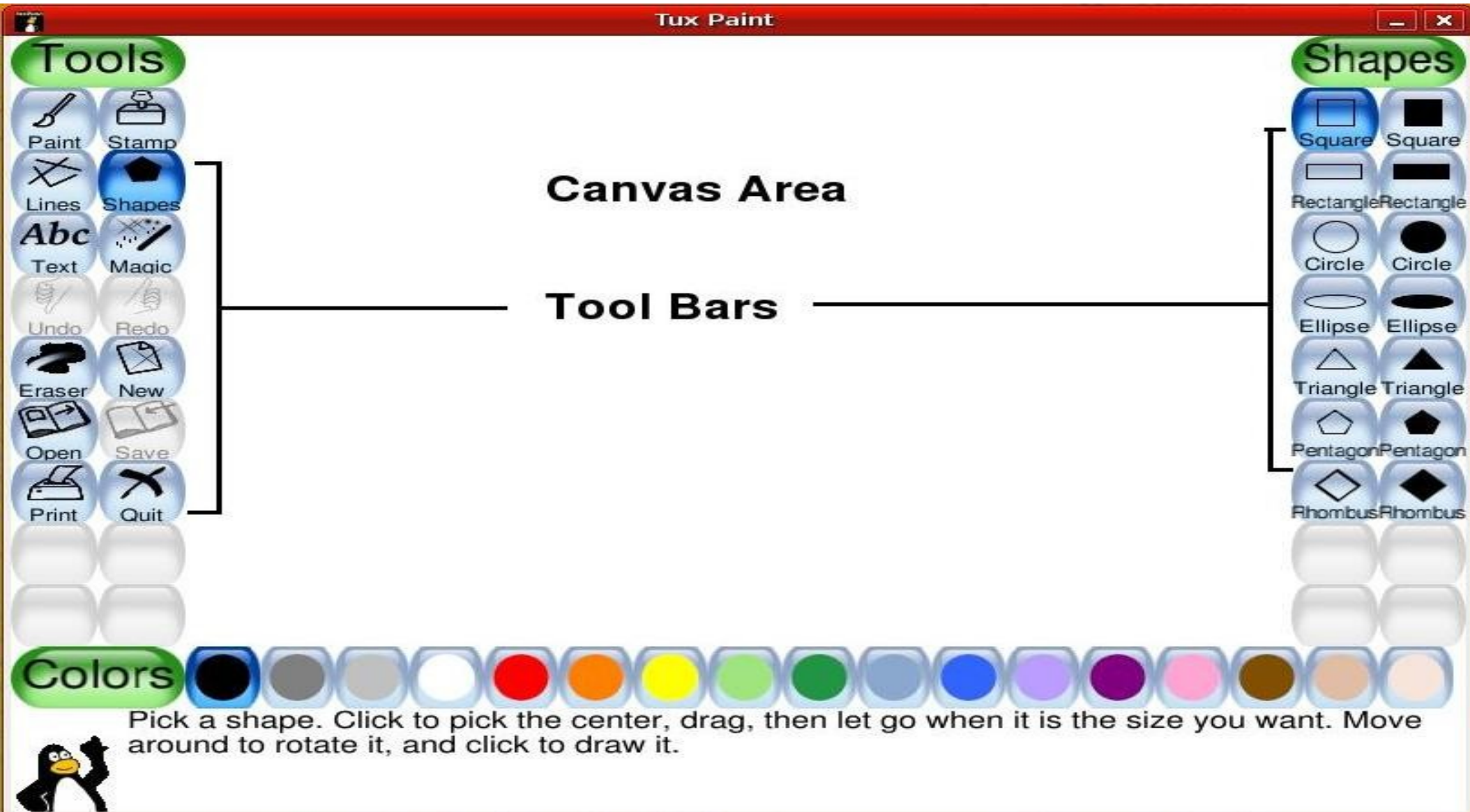


Paint application



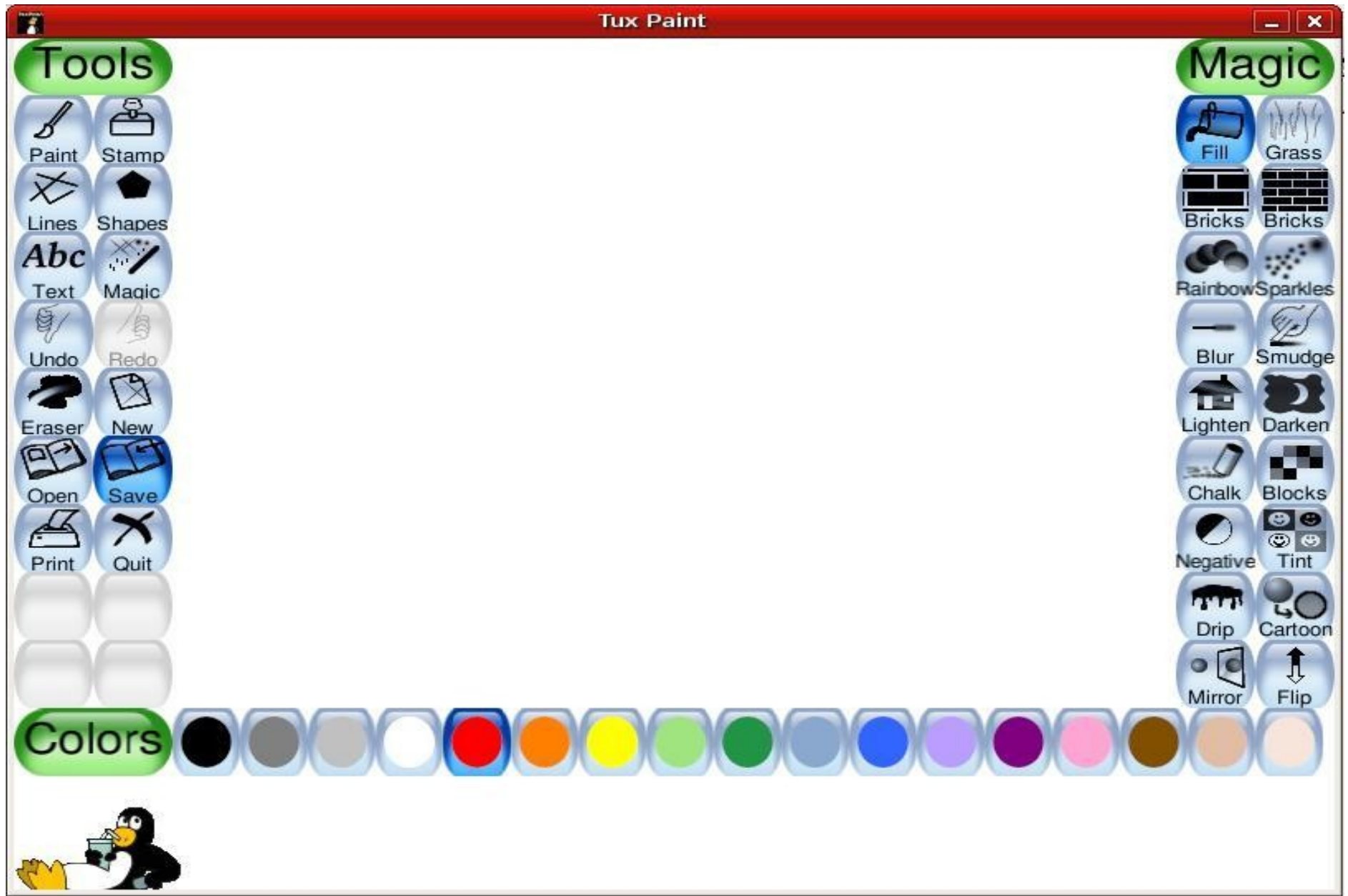
Icon for
Tux Paint

Tux Paint (in edubuntu) is used to draw/ paint

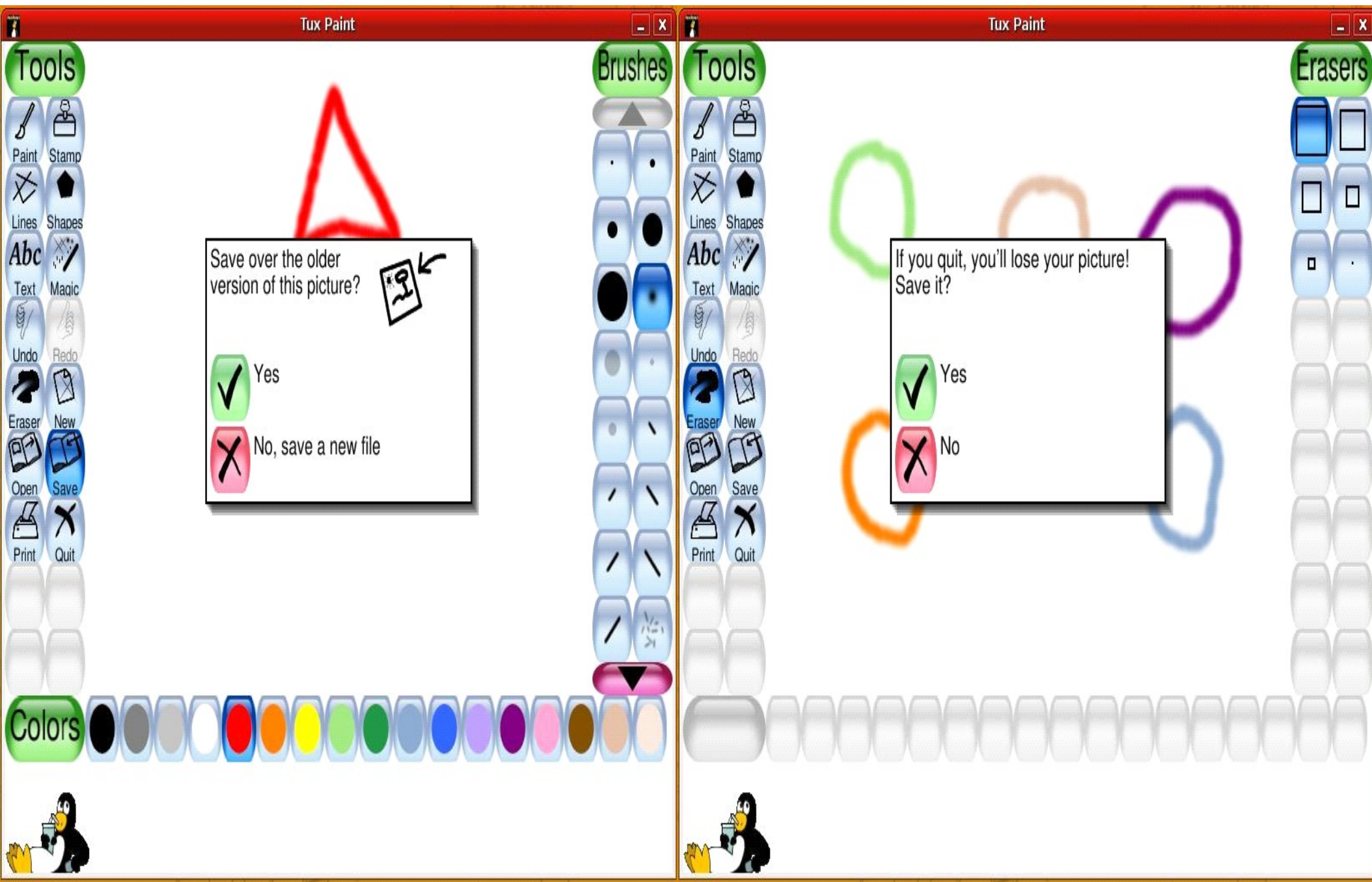


Paint application

Take a closer look at the tool bar & the options on the right



Paint application – save & quit



Using computers effectively

- **Maintain good posture when working.**
- **Keep your elbows in a slightly away from you body, with your wrists in a straight position.**
- **Float your arms above the keyboard** and keep your wrist straight when keying.
- **Keep your wrists straight and hands relaxed** when using the mouse. Don't hold the mouse with a tight grip and avoid moving the mouse with your thumb or wrist.
- **Height of Chair and Desk** – neither too high nor too low
- **Exercise**

Exercises for healthy computer use

Posture

1. Keep your ears straight over your shoulders. Raise both arms straight up along side your ears. Remember to keep your ears aligned. Bend forearms toward shoulders to touch your shoulder blades. Do 10 repetitions with both arms, then alternately for each arm singularly.
2. Tilt (stretch) your head in all four directions over your shoulders (forward, back, left, right), and gently massage your neck.

Eyes

1. Close your eyes tightly for 3-5 seconds then open them for 3-5 seconds. Repeat this 7 or 8 times.
2. Sit and relax. Roll your eyes clockwise, then counter-clockwise. Repeat 5 times, and blink in between each time.

Exercises for healthy computer use

Hands

- **Wrist rotation:** Stretch both arms straight to the front with closed fists. Rotate both the fists together ten times in the clockwise direction and ten times in the anticlockwise direction. Do ensure that only your fists are rotating and the rest of your arms are not moving.
- **Elbow rotation:** Bend your hands towards the front and hold your shoulders with your palms. Now, rotate your elbows ten times in the clockwise and ten times in the anticlockwise direction.
- **Whole hands, small circles:** Stretch both hands to the sides holding your palms straight up. Now, make small circles with both palms ten times in the clockwise and ten times in the anticlockwise direction.
- **Whole hands, big circles:** Stretch your hands to the sides. Make big circles (as big as possible) with both the hands ten times in the clockwise and ten times in the anticlockwise direction.

Topics: Second Session

- I. Input v/s Output Devices
- I. Elements of Window
 - 4 bars --- title, task, scroll and tool bar
 - Minimize, maximize and close button
- I. Using Text editor – create a new document and save
- I. File Management
- I. Learning to Type Effectively - KTouch