



INTEGRATED ACTIVITY (20 – 60 MINUTES)

In order to promote relevant discussion, the following questions are posed by the educator to the learners:

- **Why are plants important?**
- **Why do plants have different parts to them?**
- **What are the functions of the different parts of a plant?**

A short discussion takes place about the different parts of plants (roots, stem, leaves etc) and their function and necessity for the plant to survive.

Explain to the learners that today we are going to identify the parts of a plant. Discuss the different parts of the plant with the learners and the function of each part (you could ask them to bring plant examples to school). Discuss what a plant needs to survive. Write key words on the board to assist with spelling during the task.

Task: Draw what a plant needs to survive and label the different parts and the functions of a plant.

1. Open Tux Paint by double clicking on the **Tux Paint** icon on the desktop or clicking on the **Start Menu → Programmes → Tux Paint**
2. Recap what a plant needs to survive – write the words or do simple diagrams on the board.
3. Instruct the learners to begin drawing what the plant needs before drawing the plant itself.
4. We will make use the **paint, fill, stamp** and **line tools** which can be found on the toolbar on the left.
5. We will draw the sun, water, soil, dead leaves, earthworms etc around the picture of the flower.



6. The procedure of using the different drawing and effect tools is the same for all the tools → click on the required tool on the left toolbar and then select from the various options for that tool on the right toolbar. Move the mouse onto the page and press the left mouse button down to draw, fill etc
7. Click on the **new icon** to start a new picture with a blank screen.
8. Select the **paintbrush icon** (left toolbar) and choose a **brush type** (right toolbar).
9. Select a colour by clicking on the desired colour in the **colour palette** at the bottom of the screen.
10. Your cursor will change into a brush shape. Click and hold the left mouse button down to paint with the paintbrush. To finish drawing, release the left mouse button.
11. If you make a mistake you can use the **Undo** icon on the left toolbar to undo your last action (or use **CTRL-Z**).
12. You can also rub out mistakes with the **eraser** on the left toolbar. You can choose the size of the eraser from the options on the right toolbar. Click and hold the left mouse button down to drag the eraser over your picture and erase mistakes.
13. The **fill** icon (left toolbar) is used to “colour in” closed shapes. Click on the **Magic** icon and then select the **Fill** icon. Be very careful when using this tool – make sure that you are “inside the lines” of the part you wish to colour in.
14. To use the stamps, click on the **stamp** icon on the left toolbar.
15. On the right toolbar, click the up / down arrows to scroll through the various stamp pictures until you find a suitable stamp.
16. To place the stamp onto your page, **click on the stamp** (right toolbar) → **click on your page** where you wish to place the stamp.
17. You can use the tools on the right toolbar to size and flip your stamp picture before placing it on your page.



18. Sometimes you have the option of choosing a colour for your stamp (eg: the butterfly). From the colour palette at the bottom of your screen select a colour for your stamp and then click on the screen to place your stamp.
19. The **line** icon (left toolbar) will draw a straight line. Choose a variety of thick, thin and angled lines from the toolbar on the right.
20. To add labels to your picture, you will need to use the text tool (**Abc** icon).
21. Click on the **Abc** icon on the left toolbar. Select a style of lettering from the toolbar on the right.
22. Choose a colour for the text from the colour palette at the bottom of the screen. Choose a colour for your writing which will show up nicely on your picture.
23. Click on the screen where you wish to place your text.
24. Type in your text. Press Enter when you have finished typing.
25. Type the following labels and place them in their correct positions:
 - Flower
 - Stem
 - Roots
 - Soil
 - Sun
 - Water
 - Earthworm
 - Dead plants and animals
26. Insert your own name and grade anywhere on the screen using the text tool.
27. To save your picture, click on the save icon.
28. You will see a confirmation message at the bottom of the screen confirming that your image has been successfully saved.
29. To print your picture → click on the **print icon** on the left toolbar.
30. Exit by clicking on the **Quit** icon. A window will pop up confirming that you wish to **quit the programme** → **Yes**

