ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 1. The world of designing
Name of Activity	Graphical Coffee mug preparation
Software used	Inkscape vector graphics editor
Time	20 Minutes

Order of events

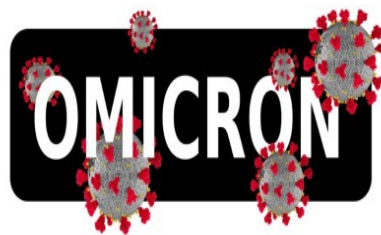|	
Open Inkscape	Applications ——► Graphics ——► Inkscape
Remove canvas	File - Document properties - Click on show page border – Remove tick mark
Drawing mug	Select Rectangle tool and draw a red rectangle. Bend the corners of rectangle by click and drag on the small circle at the right upper side. Draw another big rectangle at the top of the rectangle. Select both rectangles and click path ——►Difference.
Drawing handle	Select circle tool. Draw two circles. Put second circle over the first circle showing a half moon shaped part of the first circle. Select both circles and click path ——► Difference. Attach the handle to the mug.
Typing "Coffee"	Select Text tool. Type "Coffee" on mug and give white colour. Adjust the size if needed by selection tool.
Grouping all objects	Select all and click Object ——►Group
Exporting	File ——► Export PNG image. Click 'Export as' then select the destination folder, give file name and click save. Then click Export.
Prepared by: SEBIN THOMAS C, GBHS, WADAKANCHERY	

ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 1. The world of Designing
Name of Activity	Graphical Omicron banner preparation
Software used	Inkscape vector graphics editor
Time	20 Minutes

Order of events

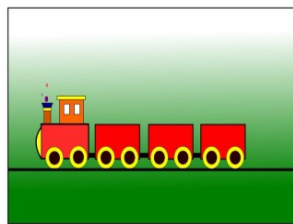|	
Open Inkscape	Applications ⟶ Graphics ⟶ Inkscape
Remove canvas	File - Document properties - Click on show page border – Remove tick mark
Drawing Rectangle	Select Rectangle tool and draw a black rectangle. Bend the corners of rectangle by click and drag on the small circle at the right upper side.
Typing "OMICRON"	Select Text tool. Type "OMICRON" on rectangle. Make the font bold and give white colour. Adjust the size if needed by selection tool.
Bringing image	File ⟶ Import. Import omicron.png and make 5 duplicates. Arrange them as on the banner.
Grouping all objects	Select all and click Object ⟶ Group
Exporting	File ⟶ Export PNG image. Click 'Export as' then select the destination folder, give file name and click save. Then click Export.
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ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 1. The world of designing
Name of Activity	Graphical train preparation
Software used	Inkscape vector graphics editor
Time	20 Minutes

Order of events

Open Inkscape	Applications ⟶ Graphics ⟶ Inkscape
Remove canvas	File - Document properties - Click on show page border – Remove tick mark
Open svg file	File ⟶ Open train.svg from the folder
Duplicating bogies	Click on the first bogie. Make 3 duplicates. Move the bogies to appropriate positions using arrow keys of keyboard.
Grouping all objects	Select all and click Object ⟶ Group
Exporting	File ⟶ Export PNG image. Click 'Export as' then select the destination folder, give file name and click save. Then click Export.
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ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 2. Publishing
Name of Activity	Adding heading style and index
Software used	Libre Office writer
Time	20 Minutes

Order of events

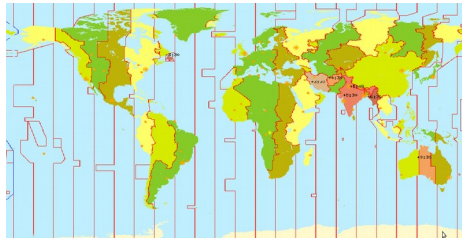| Open LibreOffice writer	Applications ⟶ Office ⟶ LibreOffice writer
Open ott file	File ⟶ Open covid19.ott from the folder
Giving style	Select all sub headings with mouse pressing ctrl key of keyboard. Double click 'heading2' from style.
Inserting 'Table of contents'	Click below the main heading. Insert ⟶ Table of Contents and index ⟶ Table of contents, Index or Bibliography. Click OK.
Saving	File ⟶ Save as and save to destination folder by giving proper file name.

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ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 6 – Map reading
Name of Activity	Disable day and night differentiation option
Software used	Sunclock
Time	20 Minutes

Order of events

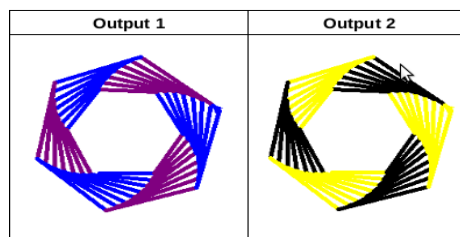| Open Sunclock	Applications ⟶ Education ⟶ Sunclock. Enlarge the window.
View time line option	Click and bring tool box. Click '!' to get the time line option
Disable 'Day night' option	Click 'N' of tool box 4 times to completely disable day night differentiation option.
Saving	Press 'prtsc' key to save the screen to 'Pictures' folder. Open 'Pictures' folder and cut the print screen image. Paste it in the appropriate folder and rename the file by right click ⟶ Rename.
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ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 4 – Python graphics
Name of Activity	Python programming
Software used	IDLE
Time	20 Minutes

Order of events

Open IDLE	Applications ——► Programming ——► IDLE. File ——► New File

Typing programme	Type the programme as given. Save the file.
	from turtle import*
	for i in range (45):
	if(i%2==0):
	color("blue")
	else:
	color("purple")
	pensize(5)
	forward(i+60)
	left(59)
	forward(10)

Running programme	Run ——► Run module (F5)
Changing colour	Change the colour at ("..........") and run the programme again.
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ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 3 – Attractive web Designing
Name of Activity	Webpage editing
Software used	Text editor
Time	20 Minutes

Order of events

Open file	Right click the file. Click open with other application. Select text editor and click 'select'
CSS editing	Make changes in font size, color of the appropriate CSS lines.
Saving	File ⟶ Save as. Save the file to folder by giving file name.
View the changes	Open the file and view the changes made in the file

National Technology Day

Wednesday, 11 May

National Technology Day is celebrated on May 11 every year to achievements of scientists, researchers, engineers and all other and technology.
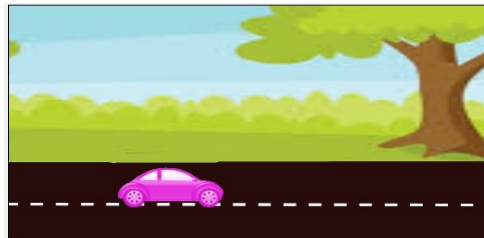
Prepared by: SEBIN THOMAS C, GBHS, WADAKANCHERY

ICT PRACTICAL WORKSHEET – STD. X

Name of Chapter	Unit 9 – Moving images
Name of Activity	Car moving animation
Software used	Synfig studio
Time	20 Minutes

Order of events

Open synfig	Application ⟶ Graphics ⟶ Synfig studio
Opening images	Bring the background image and car image by clicking file ⟶ Import.
Animating	Click the car image. Adjust the size of the car by clicking and dragging the red circle. Move the car to the starting position by clicking and dragging the green circle. Turn on animate editing mode. Change the current time to 120f. Press enter. Bring frame to select to begin. Play the animation.
Rendering	File ⟶ Render. Choose the target folder and name the file with flv extension. Again click render.
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