

Edubuntu Lesson Plans

Edubuntu is a robust operating system designed specifically for educational needs of students at all levels. It provides students with the tools for word processing, spreadsheet development, and presentation graphics design as well as educational applications and games. The table below lists specific applications, suggested lessons, and the appropriate level. It assumes the following school levels.

School Levels

PreSchool (1 years to 5 years)

Lower Primary (6 year to 8 years)

Upper Primary (9 years to 11 years)

Junior High School (12 years to 14 years)

Senior High School (15 years to 18 years)

APPLICATIONS/ ACCESSORIES	DETAILS	LESSON	Level
Calculator	Perform arithmetic, scientific, or financial calculations	Number pad typing Math	ALL
Gedit Text Editor	Edit text files	Language Arts Keyboarding	ALL
APPLICATIONS/ EDUCATION	DETAILS	LESSON	Level
Blinken	Simon Says – repeat the pattern	Colors Mouse Skills (click)	PreSchool Lower Primary Upper Primary
Kalgebra	Math expression solver and plotter	Algebra	Junior High School Senior High School
Kanagram	Unscramble words	English vocabulary Spelling	Upper Primary Junior High School Senior High School
KBruch	Practice fractions	Math Fractions	Upper Primary Junior High School Senior High School

KHangMan	Hangman - solve words by guessing letters	English vocabulary Spelling	Upper Primary Junior High School Senior High School
Kig	Interactive Geometry	Math Geometry	Upper Primary Junior High School Senior High School
Kmplot	Mathematical function plotter	Algebra	Junior High School Senior High School
KTtouch	Touch Typing Tutor	Keyboarding	ALL
KTurtle	Programming Tool	Computer Programming	Junior High School Senior High School
KWordQuiz	Vocabulary Flashcards and Quiz Tool	English Vocabulary Foreign Language Study Practice	ALL
Marble	Atlas – Desktop globe	Geography	ALL
Parley	Vocabulary Trainer	English Vocabulary Foreign Language Study Practice	ALL
Step	Simulate Physics Experiments	Science-Physics	Senior High School
TuxMath	Math Fact Practice – addition, subtraction, multiplication, division, positive/negative	Math Facts	ALL
TuxPaint	A drawing program	Art Mouse Skills Color	PreSchool Lower Primary Upper Primary
Tux Typing	Typing games and practice	Keyboarding	ALL
VYM – View Your Mind	Idea Mapping	Language Arts (Writing)	Upper Primary Junior High School Senior High School

APPLICATIONS/ GAMES	DETAILS	LESSON	Level
AisleRiot Solitaire	Card game <ul style="list-style-type: none"> - build cards sequentially down on the piles alternating colors - build up the aces by color 	Mouse Skills (Click, double click, click and drag)	Upper Primary Junior High School Senior High School
Atomix Water Molecule	Molecule puzzle game		
Blinken	Simon Says – repeat the pattern	Colors Mouse Skills (click)	PreSchool Lower Primary Upper Primary
Chess		Logic	ALL
Educational Suite Gcompris	Educational Games	Keyboard Mouse Colors Sounds Memory Math Reading Strategy Games	PreSchool Lower Primary Upper Primary
gbrainy	Answer questions and track your score.	Logic, Mental calculation, Memory, Verbal analogies	Junior High School Senior High School
Kanagram	Unscramble words	English vocabulary	Upper Primary Junior High School Senior High School
KhangMan	Hangman - solve words by guessing letters	English vocabulary Spelling	Upper Primary Junior High School Senior High School
Mahjongg	Tile matching <ul style="list-style-type: none"> - click a tile and a match to remove them - tiles must be open for removal 	Mouse Skills (click) Pattern matching Memory	ALL

Mines	Clear hidden mines from a mine field	Logic	Upper Primary Junior High School Senior High School
Potato Guy	Dress Potato Guy	Mouse skills (click) English vocabulary	ALL
Quadrassel	Tetris clone – Fit falling blocks together – use the arrow keys	Spatial	ALL
Sudoku	Number grid puzzle Fill each row, column, and square with only digits 1 through 9, no repeats	Numbers Logic	All
APPLICATIONS/ GRAPHICS	DETAILS	LESSON	Level
F-Spot Photo Manager	Organize, enjoy, and share your photos		Junior High School Senior High School
Inkscape Vector Graphics Editor	Create and edit scalable vector graphic images		Junior High School Senior High School
KolourPaint	Paint Program	Art Colors Shapes	PreSchool Lower Primary Upper Primary
OpenOffice.org Drawing	Create and edit drawings, flowcharts, and logos (Comparable to Microsoft Draw)	Art Colors Shapes	ALL
Scribus	Desktop publishing – graphic page layout and publication	Posters Fliers Signs Brochures	Junior High School Senior High School
APPLICATIONS/ INTERNET	DETAILS	LESSON	Level
Firefox	Web browser	Research	ALL

		Internet	
APPLICATIONS/ OFFICE	DETAILS	LESSON	Level
Dictionary	Check word definitions and spelling in an ONLINE dictionary (requires Internet connection)	Research Reference	ALL
Evolution Mail & Calendar	Manage email, contacts, and schedule (Comparable to Microsoft Outlook)	Email	Junior High School Senior High School
OpenOffice.org Presentation	Create and edit slideshows for presentations, meetings, and web pages (Comparable to Microsoft PowerPoint. OpenOffice can open a PowerPoint file and PowerPoint can open OpenOffice files.)	Presentation Graphics	Upper Primary Junior High School Senior High School
OpenOffice.org Spreadsheet	Perform calculations, analyze information, manage lists, and create charts in spreadsheets. (Comparable to Microsoft Excel. OpenOffice can open an Excel file and Excel can open OpenOffice files.)	Spreadsheet	Upper Primary Junior High School Senior High School
OpenOffice.org Word Processor	Create and edit text and graphics in letters, reports, documents, and web pages. (Comparable to Microsoft Word. OpenOffice can open a Word document and Word can open an OpenOffice document.)	Word procesing	Lower Primary Upper Primary Junior High School Senior High School
APPLICATIONS/ SCIENCE	DETAILS	LESSON	Level
Kalzium	Periodic table of Elements	Science Chemistry	Junior High School Senior High School
Kstars	Desktop Planetarium	Science Astronomy	Upper Primary Junior High School Senior High School
PLACES			

Home Folder	Open the contents of your home folder		ALL
Desktop	Open the contents of your desktop in a folder		ALL
Documents	Open the contents of your documents folder.		ALL
Recent Documents	Preview your recent open documents for opening		ALL
Desktop			
Wikipedia for Schools	Wikipedia Encyclopedia	Research	ALL

Classroom Management Tips for ICT

1. When you need the students' attention and they are distracted by the computers, the keyboard, and the mouse, make them put their hands on their heads or make them sit on their hands.
2. Have a time out chair in the classroom. If a student is not on task, not following directions, or not behaving have them sit away from the computer. After the timeout they have another change on the computer.
3. If many students are sharing a computer designate one 'driver'. Only that student can press the keys or work the mouse. Each student gets turn to be the driver. If anyone other than the driver presses the keys, that student is in timeout. If they are all pressing keys close the laptop or take the keyboard and mouse away. Try again after the timeout.