


# EduKar // Your Linux-based Educational Resource Toolkit from OpenLab International

		Application	Description	EduKar 1.0	OL4-LIVE	NeutrEDU 1.0	EduPack 3.2	K12 LTSP 4.2.1	EduBuntu 5.10	SkoleLinux
Languages	1	German Worksheets (Arbeitsblatt)	A set of worksheets and activities to assist in learning German. Developed by a Namibian teacher.	■		■				
	2	Japanese reference (Kiten)	Kiten is an application with multiple functions. Firstly, it is a convenient English to Japanese and Japanese to English dictionary; secondly, it is a Kanji dictionary, with multiple ways to look up specific characters; thirdly, it is a tool to help you learn Kanji.	■	■			■		
	3	Latin Reviser (Klatin)	KLatin is a program to help revise Latin. There are three sections in which different aspects of the language can be revised. These are the vocabulary, grammar and verb testing sections. In addition there is a set of revision notes for self-guided revision.	■	■			■		
	4	Multilingual Dictionary (StarDict)	StarDict is a Cross-Platform and international dictionary. It has powerful features such as "Glob-style pattern matching", "Scan selection word," "Fuzzy query," etc.	■		■	■			
	5	Study Spanish Verbforms (Kverbos)	With Kverbos the user can learn the forms of Spanish verbs.	■	■			■	■	
	6	Touch Typing Tutor (Ktouch)	KTtouch is a program for learning to touch type.	■	■		■	■	■	■
	7	Vocabulary Trainer (Kvotrain)	KVocTrain is a little utility to help you train your vocabulary, when you are trying to learn a foreign language. You can create your own database with the words you need. It is intended as a replacement for index (flash) cards.	■	■			■	■	
	8	Words Quiz (Kword Quiz)	KWordQuiz is a tool that gives you a powerful way to master new vocabularies. It may be a language or any other kind of terminology.	■	■					
Logical Thought	9	Mind Puzzles	A comprehensive offering of 24 individual mind games, including Bridges, Mines and Sudoku	■						
	10	A Turtle for the Teacher (Logo Tutorial)	The aim of this tutor is to help computer-innocent teachers and parents to develop children's Logo skills in a guided-discovery problem-solving environment. It emphasizes fundamental concepts desirable for effective use of Logo and other languages.	■		■	■			
	11	Advanced Mind mapping Tool (Cmap Tools)	The IHMC Cmap Tools software empowers users to construct, navigate, share, and criticize knowledge models represented as Concept Maps	■		■				
	12	Chess Game (Xboard)	A Chess Game to assist with Logical thought processes	■		■	■			
	13	Logo Programming (KTurtle)	KTurtle is an educational programming environment using the Logo programming language. It tries to make programming as easy and accessible as possible.	■	■			■	■	
	14	Mind Mapping Tool (Freemind)	A premier mind-mapping software tool	■		■	■			
	15	Original Logo (UCB logo)	LOGO - the logical programming tool developed by Seymour Papert and used in thousands of classes since the 80's	■		■	■			
16	Robot Programming Simulation (Droid Quest)	An educational game that teaches the basics of programming through wiring together logic gates. Within the game you solve puzzles by programming robots so they can move around, grab objects, and communicate with each other.	■		■	■				
Mathematics	17	Exercise Fractions (Kbruch)	KBruch is a small program to practice calculating with fractions. Therefore 4 different exercises are offered, namely Fraction Task, Comparison, Conversion and Factorization.	■	■		■	■	■	
	18	Exercise Percentages (Kpercentage)	KPercentage is a small math application that will help pupils to improve their skills in calculating percentages.	■	■			■	■	
	19	Dr Geo	Dr. Geo is a GTK interactive geometry software. It allows one to create geometric figure plus the interactive manipulation of such figure in respect with their geometric constraints. It is usable at the primary or secondary level.	■						■
	20	Interactive Geometry (KIG)	Kig is an application for Interactive Geometry. It's intended to serve two purposes: Allow students to interactively explore mathematical figures and concepts using the computer; and Serve as a WYSIWYG tool for drawing mathematical figures.	■	■			■	■	■
	21	Linear Equations Tester (LET/ Kmaths Test / Corfizz)	A small application to assist with testing of Arithmetic, Linear Equations and Simultaneous Equations	■			■	■		■
	22	Mathematical Function Plotter (KMPlot)	KmPlot is a mathematical function plotter for the KDE Desktop. It has a powerful built-in parser. You can plot different functions simultaneously and combine them to build new functions.	■	■		■	■	■	■
	23	Maths Teaching Tool (Math drag'n)	MathDrag'n represents a whole new approach to manipulating mathematical formulae on a computer.	■		■				■
	24	WIMS Maths Server (WIMS)	WIMS is a web-based application through which you can consult interactive textbooks, answer mathematical exercises, make computations and draw curves or surfaces, or play math games, by clicking on buttons or pictures just like any other web page.	■			■			■
Primary Zone	25	An Educative Project (Eduktor)	A great way to play and experiment with a number of science and maths concepts. Loads of animations, aimed at senior primary and junior secondary school.	■						
	26	TappyTux	The ultimate kiddies typing tutor, complete with spelling and maths modules, sound effects and music, increasing levels and difficulties. TappyTux is optimised for Thin-Client use, and was designed and developed by OpenLab	■		■	■			
	27	Children's Painting Game (Tux Paint)	Tux Paint is a drawing program designed for young children (kids ages 3 and up). It has a simple, easy-to-use interface, fun sound effects, and an encouraging cartoon mascot who helps guide children as they use the program.	■		■		■		
	28	Colouring Book	A simple colouring book program	■			■			
	29	Potato Guy (Ktuberling)	KTuberling is a game intended for small children. It is a 'potato editor'. That means that you can drag and drop eyes, mouths, mustache, and other parts of face and goodies onto a potato-like guy. The only purpose is to make the funniest faces you can.	■	■					
	30	HangMan Game (Khangman)	KHangMan is a game based on the well-known hangman game. It is aimed for children aged 6+. The game has four levels of difficulty: Animals (animals words), Easy, Medium and Hard.	■	■	■		■	■	
	31	Learn Alphabet (Klettres)	KLettres is a very simple application that helps a child or an adult to learn the alphabet and some simple sounds in his own language or in another language.	■	■			■		
	32	Letter Order Game (Kanagram)	Kanagram is a game based on word/letter puzzles. It is fully customizable and allows you to write your own words and set your own 'look and feel'. It is aimed for children aged 10+. A word is picked in random, and displayed out in the messed order.	■	■		■	■	■	
	33	Simon Says Game (blinKen)	BlinKen is a memory enhancement game, based on the popular "Simon Says" game	■						
	34	Playground (Gcompris)	GCompris is an amazing set of activities for kids from 2 to 10. Some activities are game oriented, but always educational. They include Maths, Science and reading sets of activities.	■		■	■	■		■

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Resources	35	A Complete Encyclopedia (WikipediaLITE)	WikiPedia is the world's largest online encyclopedia. WikiPediaLITE is the local server version, surpassing other encyclopedias you may have used in the past.	■		■	■			
	36	A Complete Library (GutenbergLITE)	This offers you over 600 books in electronic format, from The Bible and Quran, to Shakespeare, Darwin and Dickens	■		■	■			
	37	EduComix / HaiTi	Two editions of Comics to teach the use of computers and technology in the classroom, based on OpenLab, in partnership with SchoolNet Namibia and Strika.	■		■				
	38	EduComix / Road Safety	Comics to teach basic Road Safety, developed by Strika.	■		■				
	39	EduComix / Popya	Comics to deal with important teenage issues such as HIV/AIDS, teen pregnancy and alcohol abuse, developed by Strika. Suitable for teenage use, under adult direction	■		■				
	40	First Steps with OpenLab (FirstSteps)	Some first step tutors to help teachers and learners use computers in the classroom	■		■	■			
	41	Learning Management System (KEWL)	The definitive Learning Management Solution. Populate with content from everywhere, to manage learning in the school environment, both local and on the Internet	■		■				
	42	Linux Documentation (LXDOC)	An extensive set of HELP and HOW-TO resources to assist with your use of OpenLab GNU/Linux, and Linux in general.	■			■			
	43	Sitemirror Browser	Sitemirror allows teachers to download websites at convenient times, in order for local off-line browsing.	■		■	■			
44	NVU	NVU lets you create your own web pages and publish them on the web. You don't have to know HTML to use nvu; it is as easy to use as a word processor.	■		■	■				
Science	45	Advanced Chemistry Modeller (Xdrawchem)	XDrawChem is a two-dimensional molecule drawing program for Unix operating systems. It is similar in functionality to other molecule drawing programs such as ChemDraw (TM, CambridgeSoft)	■						
	46	Desktop Planetarium (Kstars)	KStars is a graphical desktop planetarium for KDE. It depicts an accurate simulation of the night sky, including stars, constellations, star clusters, nebulae, galaxies, all planets, the Sun, the Moon, comets and asteroids.	■	■			■	■	■
	47	Electronic Circuit Designer (Xcircuit)	XCircuit is flexible enough to be used as a generic program for drawing just about anything. It is especially good for any task requiring repeated use of graphical objects, including architectural drawing, printed circuit board layouts, and music typography.	■						■
	48	Flash Physics Models (flashphys)	Over 80 Physics animations covering Mechanics, magnetism, waves and much more	■		■				
	49	MatLab-like Computation Enviro (Scilab)	Scilab is a scientific software package for numerical computations providing a powerful open computing environment for engineering and scientific applications	■		■				■
	50	Periodic Table of Elements (Kalzium)	Kalzium is a program which shows you the Periodic System of Elements (PSE). You can use Kalzium to search for information about the elements or to learn facts about the PSE	■	■	■		■	■	■
	51	Physics Learning Tool (Phyz)	The Physics Solving Toolkit is a power application used for physics calculations	■						
	52	Simulation of a Chemical Lab (Genchemlab)	GenChemLab is an OpenGL-based application intended to simulate several common general chemistry exercises. It is meant to be used to help students prepare for actual lab experience.	■		■				
53	Time on Mars (Mars Clock)	A program to display time on Mars, including local solar angles.	■		■	■				
Social Sciences	54	Information Society	A set of 7 resources made available by Creative Commons South Africa. These include videos regarding Copyright, and a Curriculum Presentation and tools entitled 'CopyRight, CopyLeft'	■		■				
	55	Genealogy System (GRAMPS)	GRAMPS (Genealogical Research and Analysis Management Programming System) is a personal genealogy program.	■						
	56	Geography Trainer (Kgeography)	KGeography is a geography learning tool, based on countries, regions, maps and flags.	■			■			
	57	Music Notation (Score Reading Trainer)	Score Reading Trainer helps you improve your (musical) score reading skills by practicing with random scores.	■			■			■
	58	Personal Finance Manager (KmyMoney)	KMyMoney is a personal finances manager for KDE. It enables users of open source operating systems to keep careful track of their personal finances by providing a broad array of financial features and tools.	■			■			
	59	Transportation & Economics Simulation (Simutrans)	Simutrans is a transport and economics simulation game	■		■				
Teacher Tools	60	EDN	The Educational development Network is the leading teacher development tool, helping teachers to use technology to enhance the classroom experience	■		■	■			
	61	GradeBook	Ggradebook is the fully-featured GNU gradebook.	■			■			
	62	EDSNET	A set of educational resources created by the Namibian Ministry of Education, but used internationally	■		■	■			
	63	Sitemirror	Sitemirror allows teachers to download websites at convenient times, in order for local off-line browsing.	■		■	■			
	64	Tests & Exams editor (Keduca Editor)	KEduca is flash card application, which allows you to make interactive form based tests.	■	■		■	■	■	
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Daily Applications	66	OpenOffice 2.0	The Ultimate Office Productivity Suite, complete with Word Processor, Spreadsheet, Database and Presentation Tools	■	■	■	■	■	■	■
	67	The GIMP	GIMP is the GNU Image Manipulation Program. It is a freely distributed piece of software for such tasks as photo retouching, image composition and image authoring. It works on many operating systems, in many languages	■	■	■	■	■	■	■
	68	Scribus	Scribus brings award-winning professional DTP to Linux and *nix desktops with a combination of "press-ready" output and new approaches to page layout. Scribus 1.2 brings new power and versatile tools for desktop publishing.	■	■		■	■		
	69	FireFox Browser	Firefox is the largest-growing Internet Browser, from the Mozilla Foundation	■	■	■	■	■	■	■

**Please Note:**

- EduKar 1.0 is the leading Educational Resource package from OpenLab International, developed for OpenLab4 (OL4). OL4-LIVE is the latest GNU/Linux Operating System from OpenLab Int'l. NeutrEDU 1.0 is the Windows-based Educational Resource package from OpenLab Int'l (in development). EduPack 3.2 is the former Educational Resource package from OpenLab Int'l. K12 LTSP 4.2.1 is the GNU/Linux Operating System and Educational Resource package based on Fedora Core. EduBuntu 5.10 is the GNU/Linux Operating System and Educational Resource package based on Ubuntu. SkoleLinux is the GNU/Linux Operating System and Educational Resource package based on Debian.
- This Educational Profile does NOT list every application available in each product. Its purpose is to give a comparative analysis of the known Educational Applications available.
- This Educational Profile has EduKar and its applications as its primary concern. The other comparative products may have the same or similar-function applications, and where possible, comparable applicable have been listed as present.
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