

LEARNING CONTENT CATALOG



ENGLISH VERSION



**GET READY FOR A NEW
WORLD OF LEARNING!**



In an increasingly digital world, where people are more tech-savvy than ever before, and where knowledge is just a mouse-click away, millions of children are still being left behind in so many countries.

*Industry researches indicate that technology can improve both teaching and learning aspects of education. It also encourages active engagement and interactivity making it easy for students to revisit specific parts of the subjects, explore them more fully, test ideas, and receive feedback. The **C3 Micro-Cloud** is the solution to make it possible for students to have access to a consistent, quality learning environment.*

Teachers can plan their own lessons, creating differentiated learning environments, and adding content that better suits the needs of their students.

*In this learning content catalog, you will find examples of free resources available in the **C3 Micro-Cloud** to bring innovative learning methods into your classroom and include dynamic content. You will be able to upload your own content too.*

*With the **C3 Micro-Cloud**, you can start using this technology in your school today, to open a new world of learning and opportunities for your students.*

*Connecting Students to Knowledge is our mission. Join us.
Critical Links*

Learning Content

- **PhET - Interactive Simulations**
- **Khan Academy**
- **Intel Education Resources**
- **CK-12 Foundation**
- **Wikipedia**
- **Wikipedia for Schools**
- **Wikibooks**
- **Wiktionary**
- **WikiMed**
- **WikiVoyage - The Wikipedia of travel guides**
- **Math Expression**
- **Bino & Fino**
- **Great Books of the World**
- **Grammar**
- **African Storybook**
- **Cat & Dog Books**
- **Blocky Games**
- **World Map**

App Hub

- **Moodle**
 - **Moodle Plugins**
- **Kolibri**
- **microBit**
- **Scratch**
- **OpenEmis Core**
- **Koha**
- **Sugarizer**
- **Evergreen**
- **Canvas LMS**
- **Geogebra**
- **Keycloak**
- **Wordpress**
- **SAM Labs***

**Note: Application may require payments to third parties.*



Learning Content

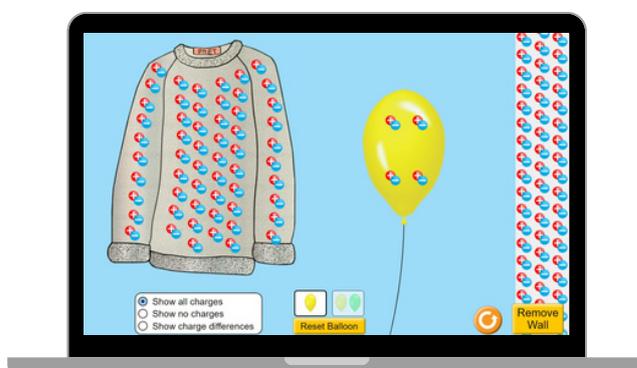
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PhET - Interactive Simulations

Languages: English, Spanish, Portuguese, French

Subjects: Physics, chemistry, biology, earth science, and mathematics

PhET Interactive Simulations, a non-profit educational initiative originating from the University of Colorado Boulder, is dedicated to fostering visual learning across diverse subjects. Through a range of engaging tools like click-and-drag manipulations, sliders, and radio buttons, students are empowered to explore and comprehend complex concepts. These interactive resources promote critical thinking and self-directed learning by encouraging students to apply classroom knowledge in practical scenarios. PhET provides simulations spanning multiple disciplines, empowering learners to delve into concepts across fields like physics, biology, mathematics, and beyond through interactive exploration.

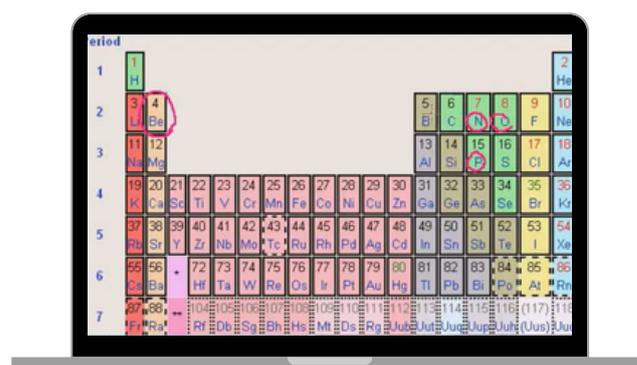


Khan Academy

Languages: English, Spanish, French, Portuguese, Arabic

Subjects: Mathematics, physics, chemistry, biology, earth science, etc.

Khan Academy is a non-profit educational organization, with the goal of creating online tools that help educate students through short lessons in the form of videos. It aims to provide a free personalized learning experience, through short lessons, in video, that are similar to a recording of drawings on an electronic blackboard, and where the narrator describes each drawing and how they relate to the material being taught. The videos are fun, approachable and they facilitate customized learning, that allows them to jump where help is needed most.

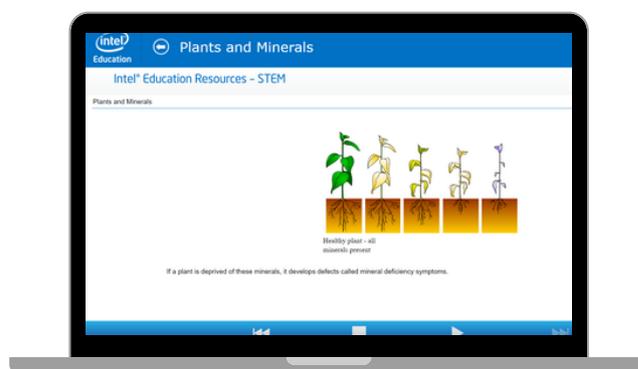
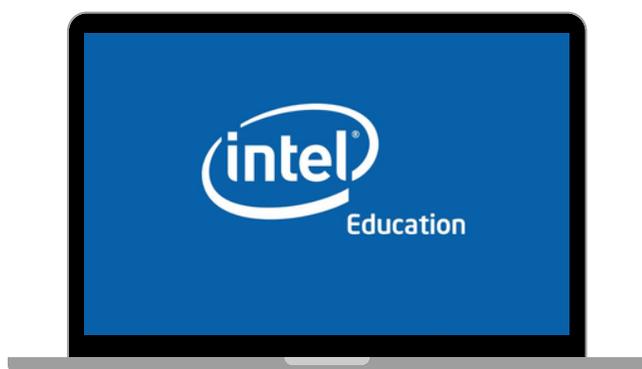


Intel Education Resources

Languages: English, Spanish

Subjects: STEM

Intel Education Resources refers to a set of educational materials, tools, and initiatives provided by Intel Corporation, a multinational technology company. These resources are designed to support educators, students, and educational institutions in integrating technology into teaching and learning processes. Intel Education Resources include a variety of digital learning materials, lesson plans, curriculum resources, professional development programs for educators, and tools for classroom management and assessment.

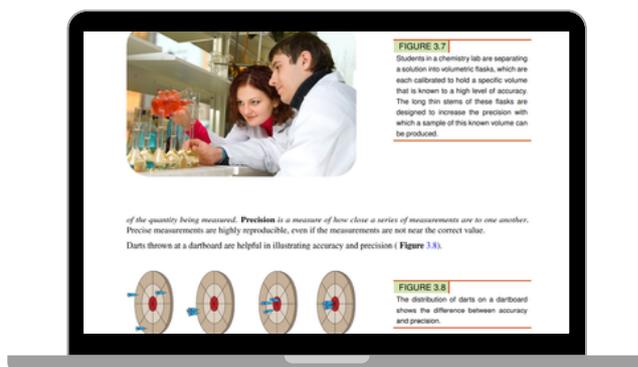


CK-12 Foundation

Languages: English

Subjects: STEM

CK-12 Foundation was set up to support K-12 Science, Technology, Engineering, and Math (STEM) education by providing self-paced learning content and tools. Includes high-quality learning resources such as videos, flex books, interactive simulations, photo galleries, animations, assessment activities, and real-world applications. Students can learn more about chemistry with the flex book and test their knowledge by practicing exercises in the workbook. Support materials are also available for teachers.

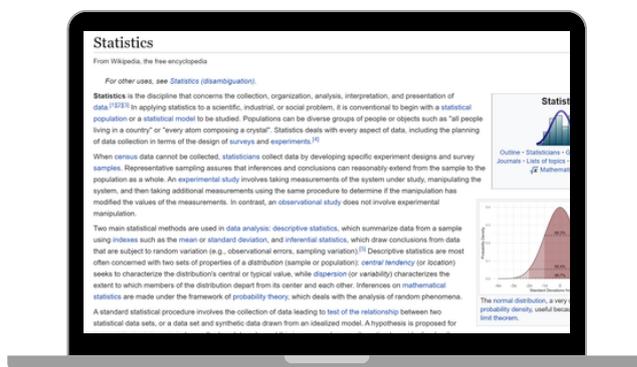
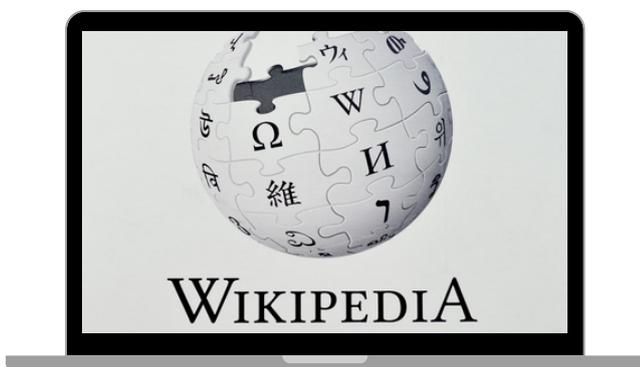


Wikipedia

Languages: English, Spanish, Portuguese, French, Arabic, Thai

Subjects: Science, humanities, social science, arts, technology, business, etc.

Wikipedia is a free-content multilingual online encyclopedia written and maintained by a community of volunteer contributors through a model of open collaboration that has received praise for its enablement of the democratization of knowledge. Students and teachers can use the search bar to find information about different subjects, including science and humanities.

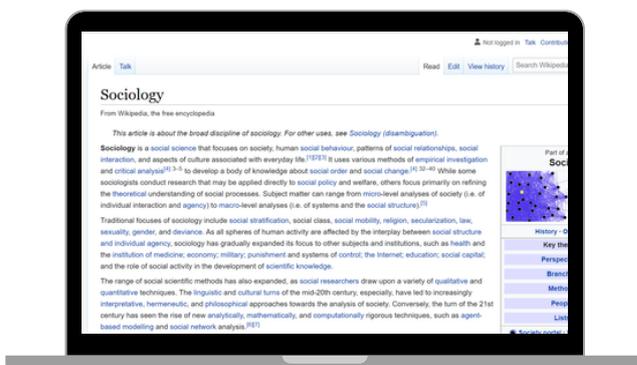


Wikipedia for Schools

Languages: English, Spanish, French, German, Chinese, Arabic, etc.

Subjects: Science, history, geography, literature, etc.

Wikipedia for Schools is a selection of articles from Wikipedia produced by the international children's charity SOS Children and can be used by children around the world. All the content is checked to ensure that the information transmitted is appropriate and correct. Students and teachers can utilize the search bar to access information on any subject or navigate through it using categories.

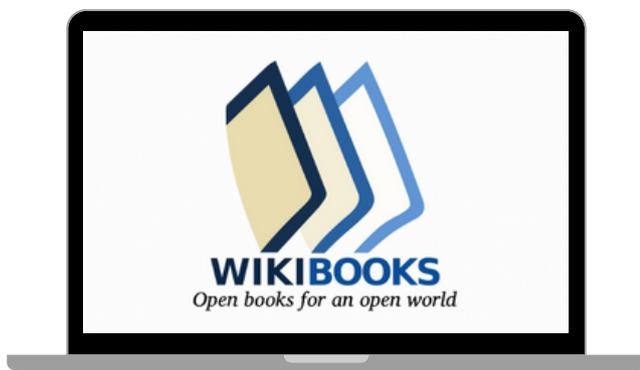


Wikibooks

Languages: English

Subjects: Science, humanities, arts, social sciences, business, etc.

Wikibooks is a collaborative book authoring website, where users from all over the world work together to write textbooks, annotated texts, instructional guides, and manuals. Students can search for books by category or alphabetically on a wide variety of topics, such as art, science, culture, manuals, among others.

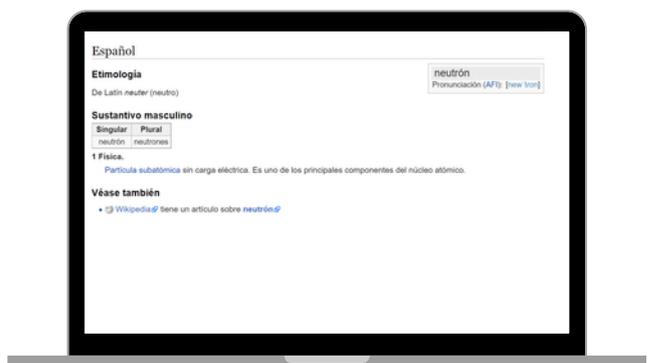


Wiktionary

Languages: English, Spanish, Portuguese, and Arabic

Subjects: Definitions, meanings, etymologies, pronunciations, translations, etc.

Wiktionary is a wiki-based collaborative project to develop a multilingual online dictionary. It aims to describe all words of all languages and is very useful when students want to look up the meaning of a word, both in their native language and when learning a foreign language.

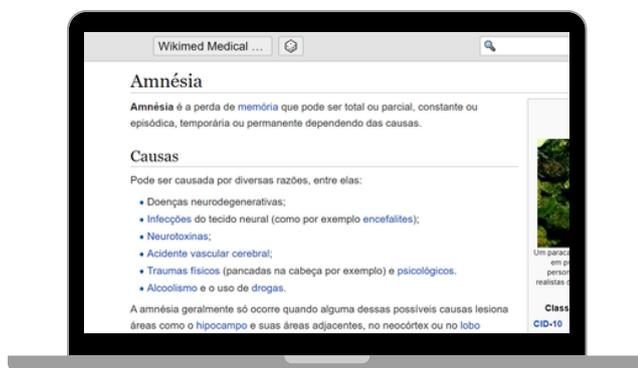


WikiMed - Offline Medical Encyclopedia

Languages: Portuguese

Subjects: Medicine

WikiMed is the largest collection of health-related articles. It includes content on diseases, medications, anatomy, and sanitation. This content is perfect for practicing physicians, as well as medicine and other healthcare students.



WikiVoyage - The Wikipedia of travel guides

Languages: Portuguese

Subjects: Travel Guide

Wikivoyage is a free web-based travel guide for travel destinations and travel topics written by volunteer authors. Articles cover different levels of geographic specificity, from continents to districts of a city. It is possible to find suggested itineraries, local attractions, and phrasebooks.

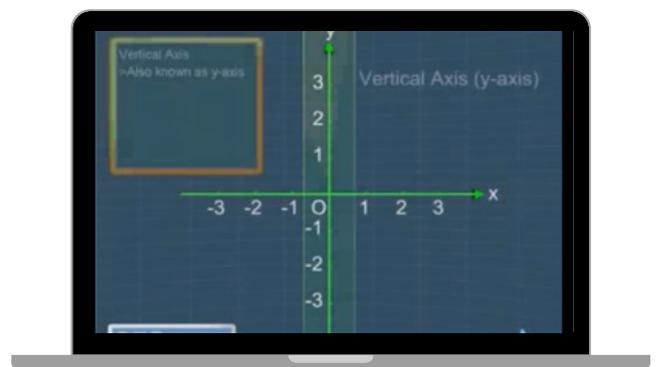


Math Expression

Languages: English

Subjects: Algebra, fractions, exponents, graphs, equations, symmetry, etc.

Teaching the exact same thing but using a computer or a tablet can encourage more active participation in the learning process which can be more difficult to achieve through traditional methods. Math Expression is a platform created to help students who are learning math have more fun in the learning process through online learning videos, study tips, practice questions, and step-by-step solutions. With Math Expression studying math has never been so easy and fun!



Bino & Fino

Languages: English

Subjects: Literature

When a dynamic brother and sister duo takes on their curiosities each day, surrounded by African music, art, and culture, it makes for the perfect educational experience. Bino & Fino is a Nigerian cartoon teaching children around the world about African culture and solving daily problems in a fun and informative way.

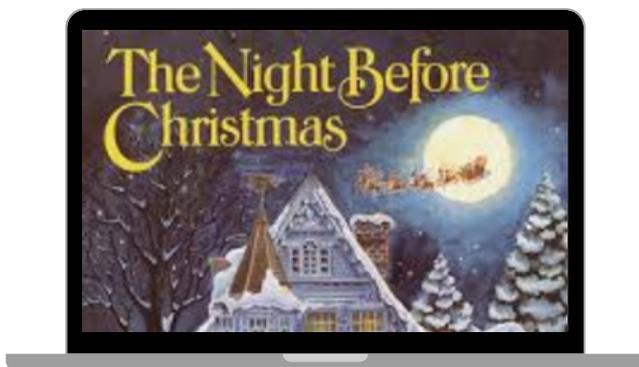


Great Books of the World

Languages: English, Spanish

Subjects: Literature

Great Books of the World/Grandes Libros del Mundo, is a collection of public domain ebooks from Project Gutenberg. Over 400 of the most beloved and respected books are represented contributing to your students to develop creative thinking and expand their minds at the same time that they read classic books. Well-known literary works are available, such as "Black Beauty", by Anna Sewell; "The Night before Christmas", by Clement C. Moore; "The Happy Prince and Other Tales", by Oscar Wilde, among others.

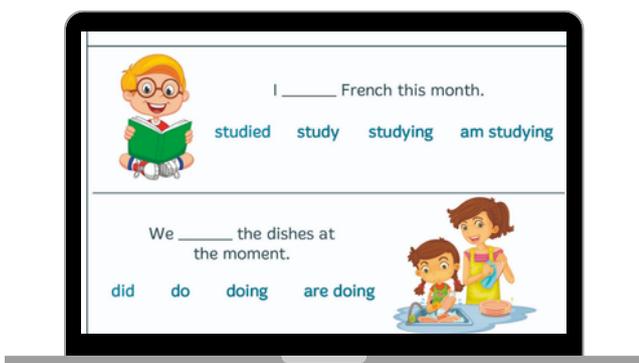


Grammar

Languages: English

Subjects: Grammar

Several grammar exercises, built for students who are just beginning to learn English as a foreign language. The exercises are multiple-choice and students must choose which word/expression they should use in that sentence.

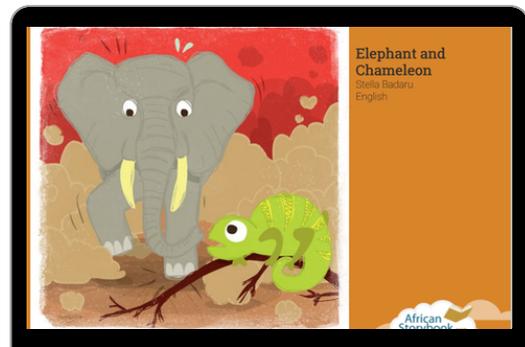
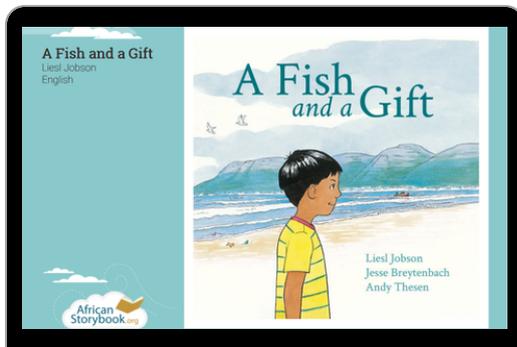


African Storybook

Languages: English

Subjects: Literature

The African Storybook is a multilingual literacy initiative that works with educators and children to publish openly licensed picture storybooks for early reading in the languages of Africa. All the storybooks are by African authors, with content ranging from traditional folktales and contemporary stories to poems, traditional games, and songs. Authors are mostly educators – teachers, librarians, academics – who contribute stories in order to have storybooks for their educational contexts and to promote their languages.



Cat & Dog Books

Languages: English

Subjects: Literature

Children need to be exposed to books with great stories which help them with literacy development and to think for themselves. By developing empathy for the characters, they will be able to immerse themselves in another world through a book. The Cat & Dog books are a complication of simple stories, suitable for first readings that will help children acquire vocabulary and develop a taste for reading.





APP HUB

- Moodle
 - Moodle Plugins
- Kolibri
- microBit
- Scratch
- OpenEmis Core
- Koha
- Sugarizer
- Evergreen
- Canvas LMS
- Geogebra
- Keycloak
- Wordpress
- SAM Labs*

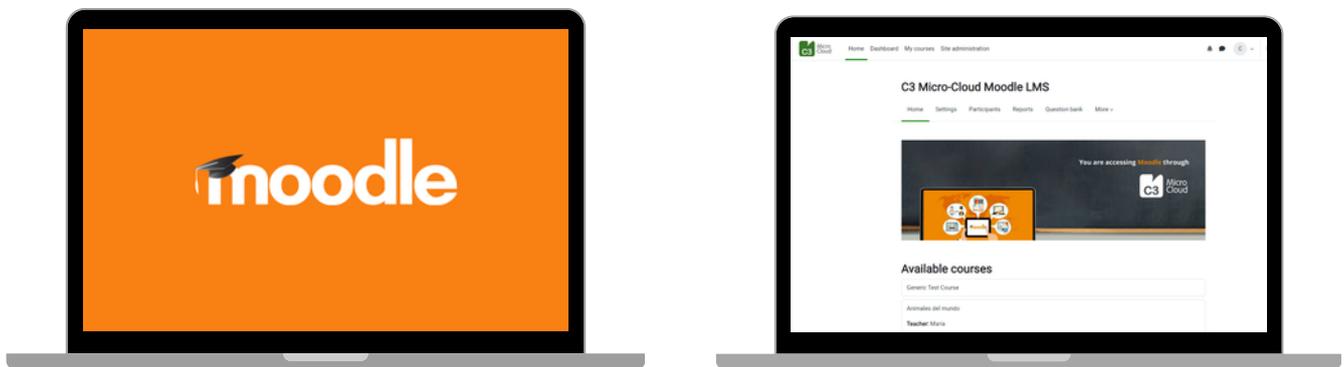
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Moodle

Languages: Multilanguage

Subjects: Learning Management System

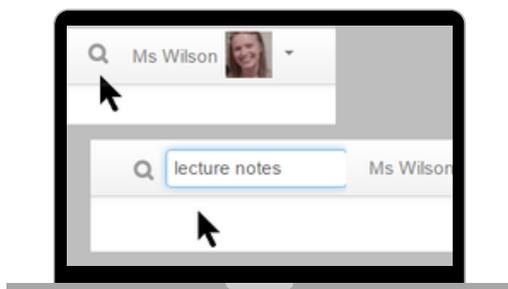
Moodle is a learning platform designed to provide educators, administrators, and learners with a single robust, secure and integrated system to create personalized learning environments. It enables to create online courses, add assignments, and track students' progress. It also allows teachers to communicate with the students and encourage communication between them in forums and discussions.



Within Moodle, you'll find plugins, additional software components that broaden the platform's functionality. These plugins encompass a diverse range of tools, features, and integrations, empowering users to personalize and enhance their Moodle experience according to their specific needs and preferences.

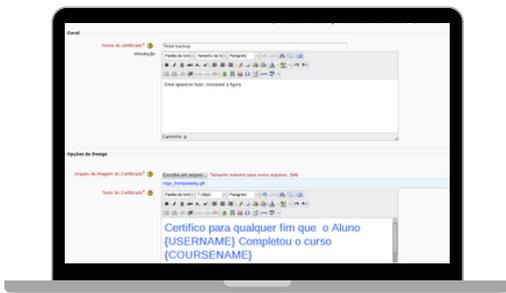
Below is a curated list of [plugins](#) available on this e-learning platform:

Moodle Plugins



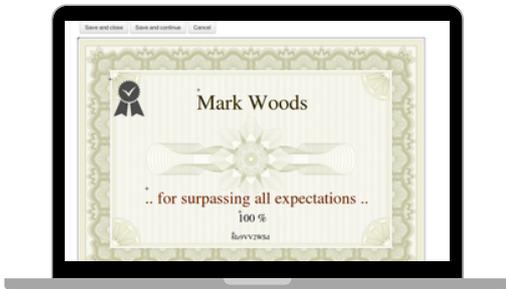
Global Search

Global Search functionality in Moodle allows users to search throughout the entire Moodle site, accessing all areas they have permission to view. This means students can easily locate specific lecture notes within their courses, while teachers can search for subject-related activities. Administrators must first enable this feature in Advanced settings and select the search engine from the Manage Global Search page. Once enabled, a search box becomes readily accessible next to the user menu, streamlining the search process for all users.



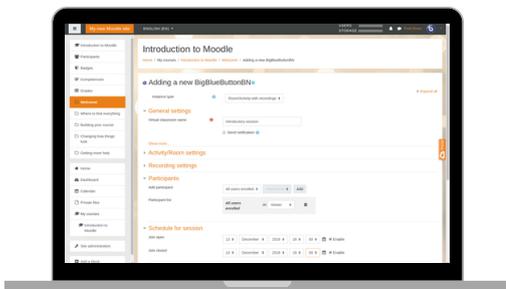
Simple Certificate

The **Simple Certificate** is a novel activity module that simplifies the process of adding new certificate formats without requiring any code modifications, eliminating the need for Moodle administrators to upload image files. Its customizable certificate text utilizes special text markers that dynamically replace variables such as student names, course titles, and grades, without necessitating alterations to translation files.



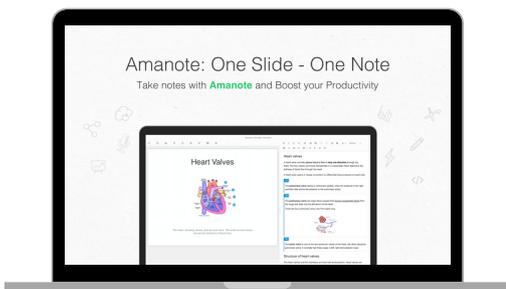
Custom Certificate

This plugin enables the creation of customizable dynamic PDF certificates directly through the web browser. Supported versions include 4.1, 4.2, and 4.3.



BigBlueButtonBN

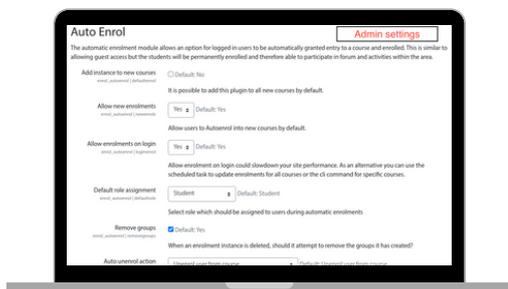
BigBlueButton is an open-source web conferencing system tailored for online learning, aiming to engage remote students effectively. It supports real-time sharing of slides, audio, video, chat, and more, with recording capabilities. The BigBlueButtonBN Moodle plugin extends its features, enabling easy creation of activity links, session control, customization options, and recording management within Moodle courses.



Aman Notes

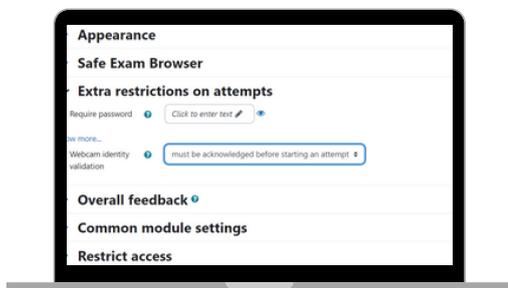
Amanote is a platform enabling students to create organized notes directly linked to their course materials. Teachers upload PDF files to Moodle conventionally, and students can seamlessly access these materials through Amanote without the need for separate accounts—everything remains integrated with Moodle.

AutoEnro



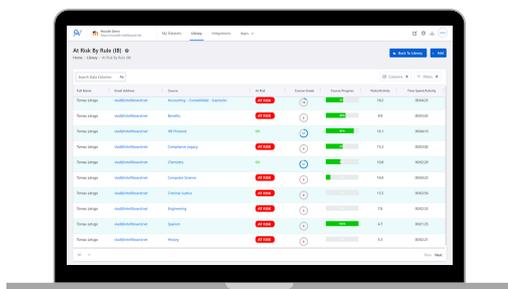
AutoEnro enhances Moodle functionality by automatically enrolling users into courses either upon logging into the Moodle site or accessing specific courses. Originally designed for granting universal access to courses, it can also be customized for advanced purposes like reserved access courses. With its user filtering feature, autoEnro serves as a versatile tool for managing Moodle enrolments, akin to a Swiss Army knife for enrolment tasks.

Proctoring



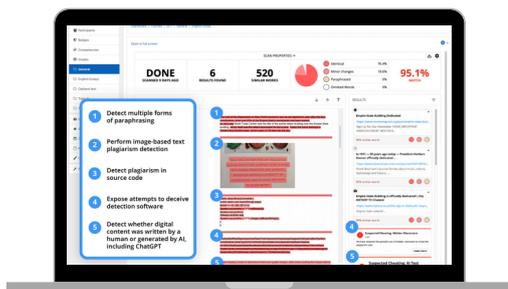
Proctoring for Moodle is a quiz access plugin that utilizes webcam technology to capture the user's picture during Moodle Quiz attempts. Every 30 seconds, it automatically captures and stores the picture as a PNG image, aiding in user identification and monitoring during the quiz.

IntelliBoard



IntelliBoard stands as the leading analytics and reporting plugin for Moodle. It offers a robust learning analytics platform equipped with predictive modeling capabilities to assist in achieving retention, engagement, and compliance objectives effectively.

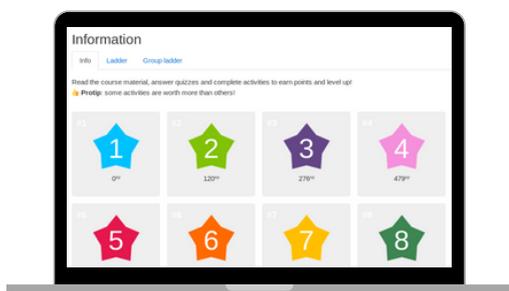
Copyleaks



Copyleaks is a platform dedicated to establishing secure environments for idea sharing and learning confidence. Trusted by the world's largest businesses, educational institutes, and millions of individuals, our AI-powered text analysis tools identify potential plagiarism across over 100 languages. Additionally, Copyleaks uncovers AI-generated content, supports responsible AI adoption, verifies authenticity and ownership, and aids in error-free writing, ensuring integrity in digital content.

Level Up

Level Up reigns as the top choice for gamification on Moodle, boasting approximately 25,000 sites and catering to over 8 million learners. This plugin grants you full autonomy over learners' pathways, allowing you to determine accessible content and integrate gamification elements seamlessly into selected courses.



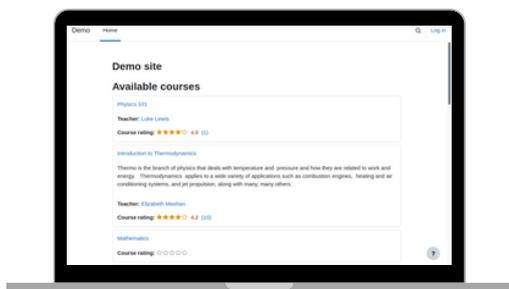
Zoom Meeting

Zoom Meeting, a web and app-based video conferencing service, facilitates seamless communication. This plugin enhances Zoom's functionality by integrating it tightly with Moodle, enabling features like meeting/webinar creation, synchronization, grading, and backup/restore. Setting up this integration necessitates a business or educational Zoom account.



Course Ratings

The **Course Ratings** plugin enables students to rate and review courses, with teachers and users able to view them. It automatically creates a custom course field for average ratings, displayed in course listings and on course homepages. Managers can delete flagged reviews, and settings allow for customization, including restricting ratings to completed students and enabling/disabling ratings per course.

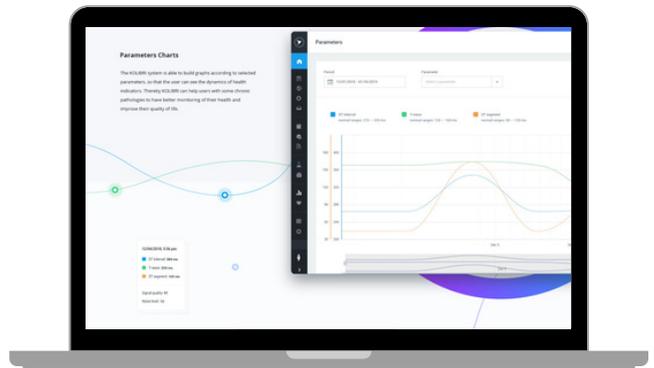


Kolibri

Languages: Multilanguage

Subjects: Open Content Channels

Kolibri is an adaptable set of open solutions specially developed to support learning in challenging environments. It makes high-quality education technology available in low-resource communities such as rural schools, refugee camps, orphanages, non-formal school systems, and prison systems.

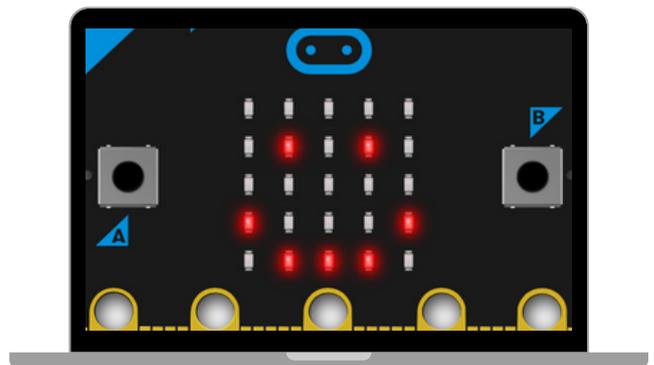


microBit

Languages: Multilanguage

Subjects: Coding and programming

micro:bit encourages kids to learn basic coding and programming skills to prepare them for today's tech-savvy world. Students can develop computer science skills and build a fitness watch, retro mobile games, such as "Snake", among others.

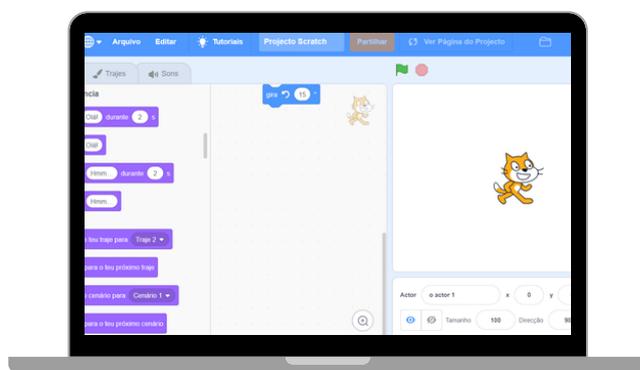
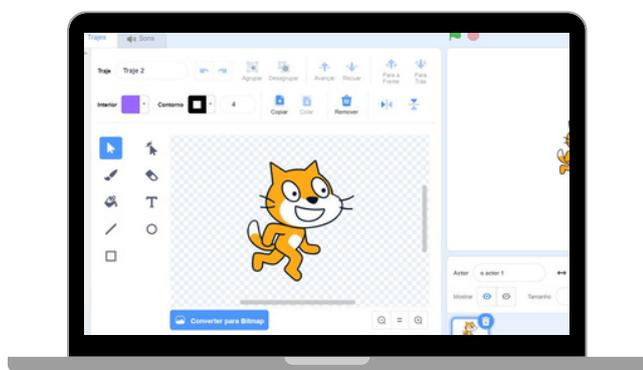


Scratch

Languages: Multilanguage

Subjects: Programming

Scratch is a visual programming language that allows students to create their own interactive stories, text, music, and animations. Students should always be encouraged to take responsibility for maximizing their own learning potential. When they do independent research on a topic they feel smarter and more motivated and that allows better retention of knowledge. You can ask your students to work in groups, encouraging collaboration between them, and ask them to do some independent research about a certain topic. Then, they can use Scratch to create a visual lesson, with interactive elements to share with the classroom.

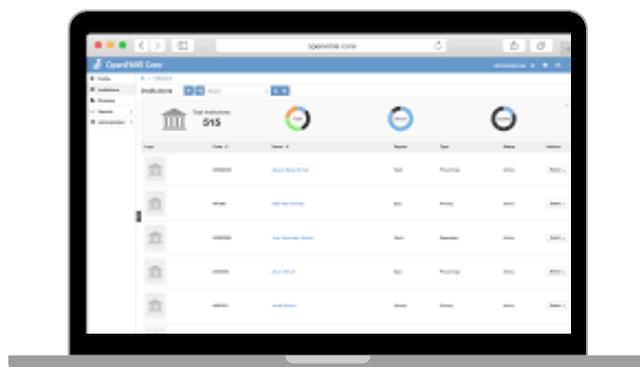
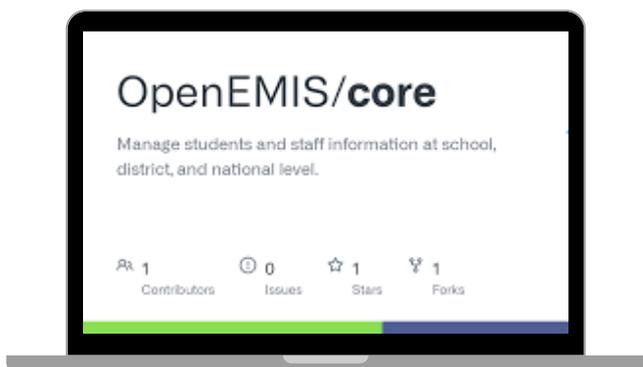


OpenEmis Core

Languages: Multilanguage

Subjects: Learning Management System

OpenEMIS Core is an Open Source Education Management Information System (EMIS) that facilitates the collection, processing, and management of education information. This customizable web application supports the day-to-day activities involved in managing a sector-wide education system.

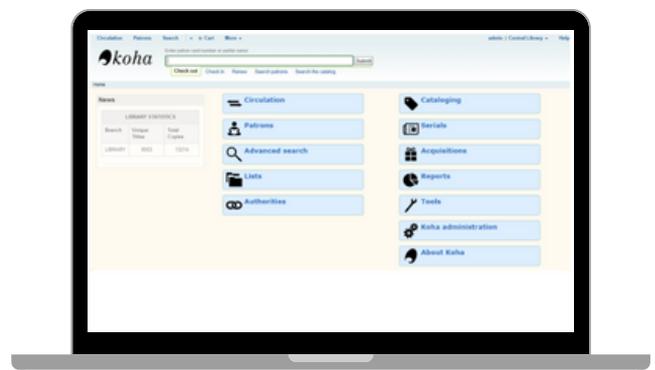


Koha

Languages: Multilanguage

Subjects: Open-Source Integrated Library System

Koha is a powerful open-source integrated library system (ILS) or library management system (LMS) that provides an extensive suite of software modules designed to manage various aspects of library operations. Originating in New Zealand in the late 1990s, Koha is now widely used by libraries all over the world. Functionalities offered by Koha include cataloging, circulation, acquisitions, serials management, patron management, and more.

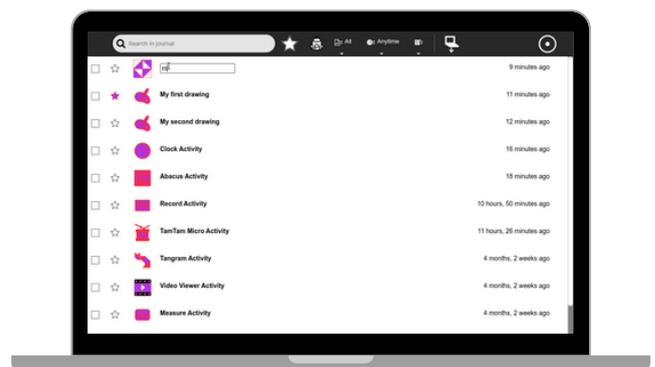


Sugarizer

Languages: Multilanguage

Subjects: Education Management System

Sugarizer is an open-source educational platform with the goal of providing a child-friendly digital learning environment. It was created based on the Sugar Learning Platform - an initiative developed for the One Laptop per Child (OLPC) project. With Sugarizer, users are able to experience and engage in educational activities on a wide range of devices, such as computers, tablets, and smartphones.

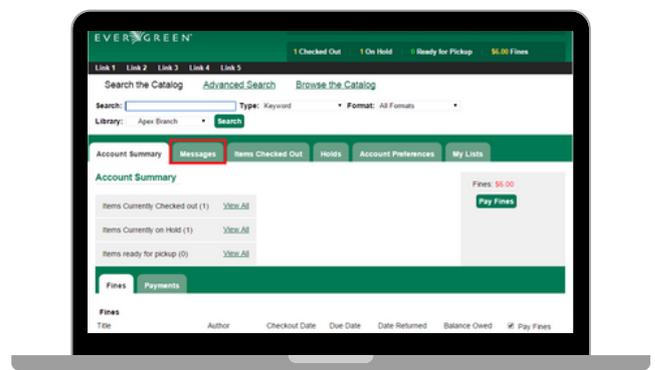


Evergreen

Languages: Multilanguage

Subjects: Open-Source Integrated Library System

Evergreen ILS is an open-source library automation software designed to manage and maintain library collections. It offers a comprehensive suite of tools and features for various library processes like cataloging, circulation, acquisitions, and patron management. With scalability and flexibility, Evergreen ILS is suitable for libraries of all sizes - from small public libraries to large consortiums. Built on a reliable PostgreSQL database, it incorporates multiple open-source technologies such as the Apache web server, Perl programming language, and AngularJS framework.

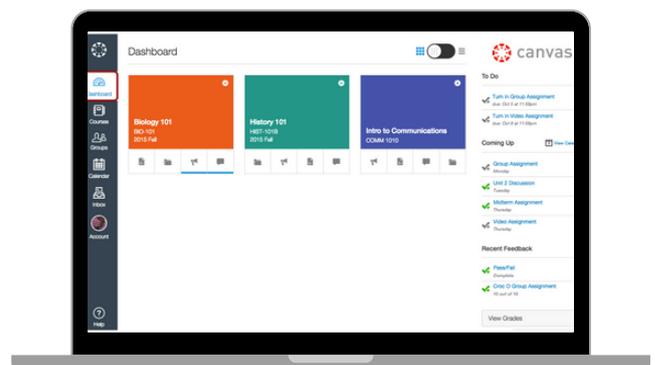


Canvas LMS

Languages: Multilanguage

Subjects: Learning Management System

Canvas LMS (Learning Management System) is a powerful and widely used software platform designed to provide instructors, students, and administrators with innovative tools to create and deliver online courses and educational content. It offers a user-friendly interface that allows instructors to easily manage their courses, track student progress, organize assignments, communicate with students, and offer personalized support.

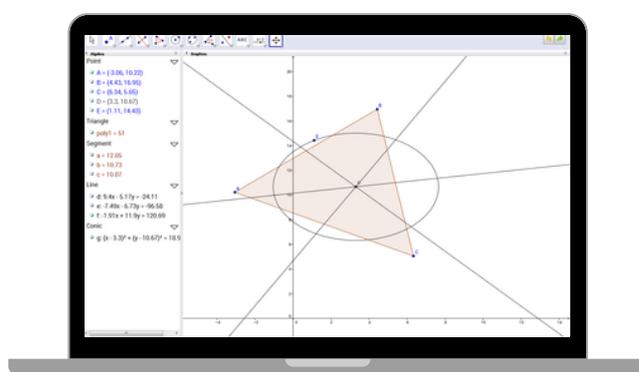


GeoGebra

Languages: Multilanguage

Subjects: Geometry, algebra, statistics and calculus application

GeoGebra is a software application used for teaching and learning mathematics. It provides a dynamic environment where users can explore concepts in geometry, algebra, calculus, and other areas of mathematics through interactive visualizations and simulations. It's widely used in classrooms and by individuals to better understand mathematical concepts and solve problems.

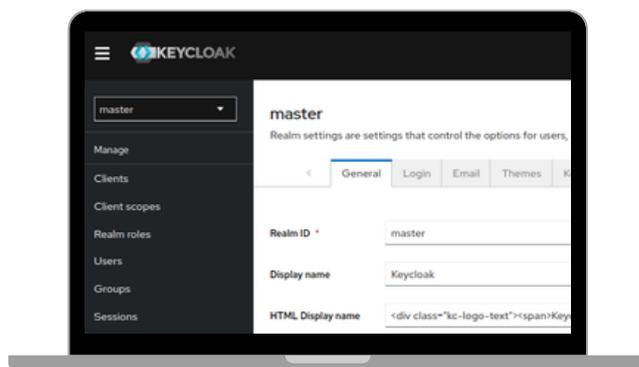
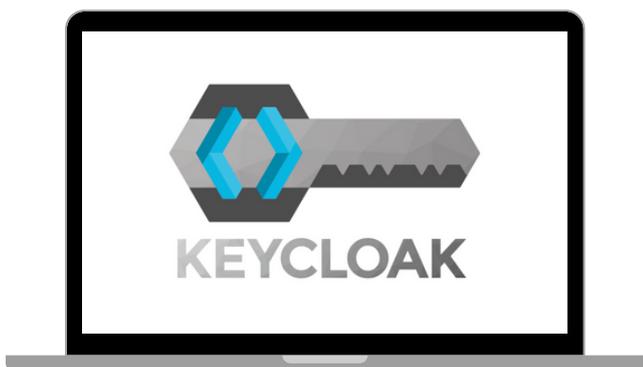


Keycloak

Languages: Multilanguage

Subjects: Open Source Software

Keycloak for education is a comprehensive solution designed to streamline identity management and access control within educational institutions. It provides a centralized platform for managing user identities, access permissions, and security policies across a variety of educational applications and services. With Keycloak, students, teachers, and staff can enjoy the convenience of single sign-on (SSO), allowing them to access multiple educational resources with a single set of credentials.

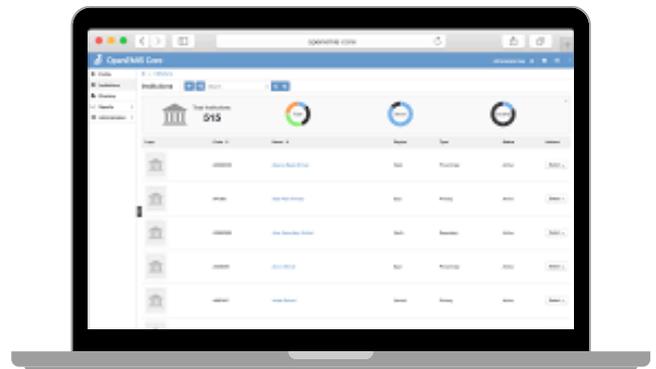


WordPress

Languages: Multilanguage

Subjects: Website Builder

WordPress is a content management system that allows you to host and build websites. With WordPress it is possible to build a website that meets your unique needs. It contains plugin architecture and a template system, so it is easy to create and customize websites.



SAM Labs

Languages: Multilanguage

Subjects: STEAM (Science, Technology, Engineering, Arts, and Mathematics)

SAM Labs SAM Labs is an educational platform focused on teaching STEAM (Science, Technology, Engineering, Arts, and Mathematics) skills through practical and engaging activities. The solution combines wireless electronic blocks (hardware) with software, allowing students of all ages to create and program their own interactive projects. These projects can range from simple circuits to more complex solutions involving programming and robotics. SAM Labs requires a paid subscription for full access to its resources.



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