

EdTech Research

ONLINE LEARNING PLATFORMS

<https://www.cae.net/lms-learning-platforms-advantages/>

Features	Moodle https://www.youtube.com/watch?v=GWXr59oLbrM&list=PLxcO_MFWQBDdJu-ct9wJQTT3owR-IELq&index=2&t=0s	Talent LMS	Articulate Storyline360	Xyleme Studio https://youtu.be/T7bBN8YU8i0
Price	Free with no licensing fees	Basic plan: \$129/month up to 100 users; Plus plan \$249/month up to 500 users - 20% non-profit discount available	\$1299/user who needs access/year	\$100,000s per year
Price to Maintain (staffing support)	None	None	None	None
Free Trial	Yes (it's already free)	Free plan for up to five	60 days	Product Demos offered

		users		
Scalable	From a few students to millions of users	5 -1,000+ users		
Multilingual capability	YES	YES	YES	YES
Secure/private	easily deployed on a private secure cloud or server for complete control	Application security: firewall, Amazon Web Services for cloud infrastructure, and various security certifications	https://articulate.com/trust	We use Amazon Web Services (AWS) to host the information we collect, and we use technical measures to secure your data
Embed external resources	YES	YES	YES	YES
Resources/support available	YES - be specific	YES- email based only	free live chat support, free live and on-demand online training, award winning support. 24 hours/day from a real person.; community help available via forum (600,000+ members and	award-winning Services & Support Teams. Each of our customers is assigned a dedicated Relationship Manager (who is also a platform expert). Relationship

			<p>counting). Support from engineers also available; knowledge base search option</p>	<p>Managers meet with each partner weekly to ensure success from implementation throughout the life of the partnership. Additionally, we provide extensive product documentation, knowledge transfer, communities of practice, and development services and support.</p>
Collaborative Tools	<p>User forums, Built-in collaborative publishing features</p>	<p>Discussion forums</p>	<p>Keep everyone on the same page, all the time. Gather consolidated feedback throughout your project, show stakeholders the latest version, and manage resolved comments after</p>	<p>Enable real-time collaboration between authors and subject matter experts. Use shared spaces, workflows, versioning control, and online review sessions to let your experts</p>

		<p>making changes. With Review 360, you'll always stay in sync.</p> <p>https://articulate.com/360/review</p>	<p>help guide content developers as they build your learning. Highlight sections and add feedback within the platform, see and respond to other team members' feedback, and implement, approve, or reject feedback. Your instructor guide, student guides, and powerpoint are all built with synced content, you only have to update in one place without worrying about inconsistencies.</p>
Calendar	YES	YES and integration with google calendar	no
Reminders?	YES	YES	no

Analytics insights	YES	NO, use plug-in for analytics	NO, an LMS would be needed for analytics	YES
Accessible on any device?	default mobile-compatible interface and cross-browser compatibility, content on the Moodle platform is easily accessible and consistent across different web browsers and devices	Native applications for iOS and Android devices.	YES tablet and smartphone screens	YES
Offers certifications or badges to users?	Yes	Yes	n/a	No
Ecommerce (sell to licensees)		Sell your courses via PayPal or Stripe.	YES	Yes
Integration with sharepoint	YES (to be confirmed) Can be used with plug-ins	YES via Zapier, can also integrate google	LMS, but any that is SCORM 1.2, 2004, AICC or TinCan API	Yes

	analytics	compliant should work	
Storage		unlimited	unlimited

Moodle Features: <https://docs.moodle.org/38/en/Features>

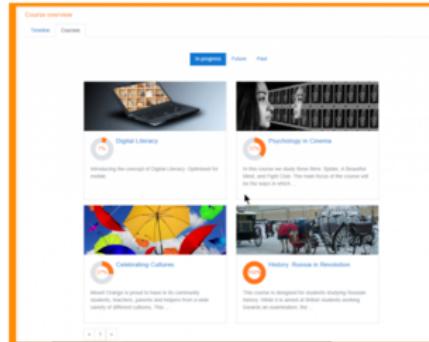
General Features



Modern, easy to use interface

Designed to be responsive and accessible, the Moodle interface is easy to navigate on both desktop and mobile devices.

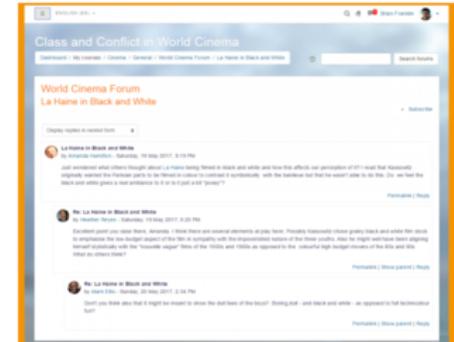
[View demo](#)



Personalised Dashboard

Display current, past and future courses, along with tasks due.

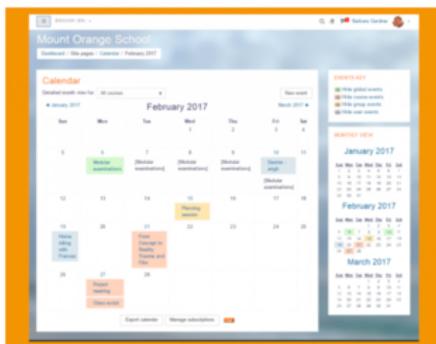
[Dashboard](#)



Collaborative tools and activities

Work and learn together in forums, wikis, glossaries, database activities, and much more.

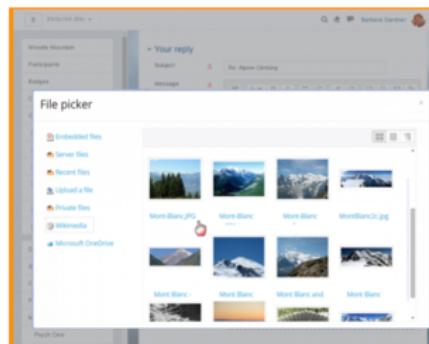
[Activities](#)



All-in-one calendar

Moodle's calendar tool helps you keep track of your academic or company calendar, course deadlines, group meetings, and other personal events.

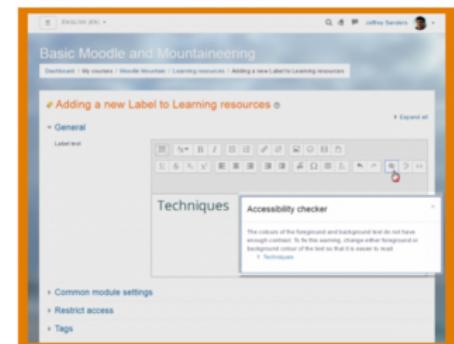
[Calendar](#)



Convenient file management

Drag and drop files from cloud storage services including MS OneDrive, Dropbox and Google Drive.

[Working with files](#)



Simple and intuitive text editor

Format text and conveniently add media and images with an editor that works across all web browsers and devices.

[Text editor](#)

Notification preferences					
<input type="checkbox"/> Disable notifications					
Assignment	Web				
Assignment notifications	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
Feedback	Email				
Feedback notifications	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
Feedback reminder	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
Forum	Mobile				
Subscribed forum posts	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
Subscribed forum digests	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
Lesson	Web				
Lesson essay graded notification	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
System	Email				
Course creation request approval notification	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
Course creation request rejection notification	<table><tr><td>Online</td><td>Offline</td></tr><tr><td></td><td></td></tr></table>	Online	Offline		
Online	Offline				
	<table><tr><td>Locked</td><td></td></tr><tr><td></td><td></td></tr></table>	Locked			
Locked					

Notifications

When enabled, users can receive automatic alerts on new assignments and deadlines, forum posts and also send private messages to one another.

Messaging

Track progress

Educators and learners can track progress and completion with an array of options for tracking individual activities or resources and at course level.

Tracking progress

Administrative Features



Customisable site design and layout

Easily customise a Moodle theme with your logo, colour schemes and much more - or simply design your own theme.

[Themes](#)

Name	Users	Up/Down	Edit
Menu enrolments	3	↑ ↓	<input type="button" value="Edit"/>
Guest access	0	↑ ↓	<input type="button" value="Edit"/>
Self enrolment (Student)	0	↑ ↓	<input type="button" value="Edit"/>
Course sync (Senior School Students - Student)	10	↑ ↓	<input type="button" value="Edit"/>
Course meta link (Class and Conflict in World Cinema)	11	↑ ↓	<input type="button" value="Edit"/>

Secure authentication and mass enrolment

Over 50 authentication and enrolment options to add and enrol users to your Moodle site and courses.

[Authentication / Enrolment](#)

Histoire: la Russie en Révolution
 Vous avez des leçons à terminer
 Brian Franklin

Mathématiques
 Vous avez des devoirs qui requièrent votre attention
 Des préparations SCORM requièrent votre attention

Espace élèves
 Il y a de nouveaux messages de forums

Nature et culture
 Vous avez des devoirs qui requièrent votre attention
 Vous avez des leçons à terminer

Multilingual capability

Allow users to view course content and learn in their own language, or set it up for multilingual users and organisations.

[Language](#)

Mount Orange School

Upload courses
 You can drag and drop files here to add them.

General
 CSV delimiter: ; Encoding: UTF-8 Preview rows: 10 Import options: Upload mode: Create new courses only, skip existing ones. Update mode: No changes. Allow blocks:

Mount Orange School

Viewing the definition of role 'Calendar editor'

Role name: Calendar editor
Custom role name: Calendar editor
Custom description: Calendar editor can add site or course events to the calendar
Role archetype: None
Contexts where this role may be assigned:
 ✓ Student
 ✓ Category
 ✓ Course
 ✓ Activity module
 ✓ Block
Allow role assignments: None

Standards

Moodle has achieved and is compliant with the following international standards:

- 1. An Open Source Initiative**
 Moodle is provided as a free, open source software that can be used, modified and freely distributed under the terms of the GNU General Public License. There are also plenty of documentation, course content and resources available on Moodle.org for anyone to use under the terms of service, terms, and license.
- 2. SCORM® 2004 Compliant**
 Moodle is a compliant learning tool implementation of the SCORM® 2004 specification. The SCORM® specification is a global technical standard of managing learning content and performance data for web-based learning. Items can deliver SCORM® content or Moodle can be optimized for SCORM® or xAPI packages in the moodle SCORM® 2004 package. Moodle can also act as an LMS tool provider with the xAPI tool.
- 3. IMS-LTI™ Compliant**
 Moodle complies with the SCORM® 1.2 specification. The SCORM® (Sharable Content Object Reference Model) is a set of specifications and standards for web-based learning. Items can deliver SCORM® content or Moodle can be optimized for SCORM® or xAPI packages in the moodle SCORM® 1.2 package. Moodle can also act as an LMS tool provider with the xAPI tool.
- 4. Open Badges**
 Moodle Open Badges® project is an online standard to recognize and verify learning using digital badges. Integrated as a core feature in Moodle, any institution, organization or individual can create and issue badges to learners on their Moodle learning platform.

Bulk course creation and easy backup

Add courses in bulk, back up and restore large courses with ease.

[Bulk course upload](#)

Manage user roles and permissions

Address security concerns by defining roles to specify and manage user access.

[Roles and permissions](#)

Supports open standards

Readily import and export IMS-LTI, SCORM courses and more into Moodle.

[Standards](#)

Chemvantage Atoms and Elements Quiz

This is a test to a chemistry quiz from the Chemvantage site. The Chemvantage site is an example of an LTI compliant site which means it will connect to Moodle via the External Tool module and will allow Moodle users to go directly to the relevant page without needing to log in again. Many LTI sites also send back grades to Moodle's gradebook.

Quiz: Atoms and Elements (General Chemistry)

Starts: Friday, July 27, 2018 11:22:49 AM (UTC)

Quiz Rules

1. Each quiz must be completed within 15 minutes of the time when it is first downloaded.
2. You may repeat download as many times as you wish, to improve your score.
3. You may not use any other software to answer the questions.
4. You must submit the quiz for scoring before the indicated deadline in order to receive class credit.
5. You must answer all questions and download by deadline in order to receive quiz deadlines.

Time remaining: 14 minutes, 10 seconds.

1. Ernest Rutherford showed that the structure of atoms is not homogeneous. Rather, the positive charge is concentrated in a tiny nucleus. The remainder of the atom is composed of mostly empty space.

2. If a 27.5 g sample of water is decomposed to elemental oxygen and hydrogen, what is the mass of the hydrogen?

3. John Dalton's Law of Proportional Masses states that if two elements form more than one compound between them, then the ratios of the masses of the second element which combine with a fixed mass of the first element will be ratios of small whole numbers. This is the one of the most basic laws of stoichiometry.

High interoperability

Freely integrate external applications and content or create your own plugin for custom integrations.

SCORM / External tool

Mount Orange School

Dashboard / Site administration / Plugins / Install plugins

Plugin installer

Install plugin from ZIP file

ZIP package

Choose a file

You can drag and drop files here to add them.

Show more...

Install plugin from ZIP file

There are required fields in this form instance.

Simple plugin management

Install and disable plugins within a single admin interface.

Installing plugins

Security announcements

MSA-17-0004: XSS in assignment submission page

MSA-17-0003: Phishing vulnerability in no-reply address

Display replies in nested format

MSA-17-0004: XSS in assignment submission page

Marina Glancy

Marina Glancy (15.07.2018 12:13:04)

Description: HTML injection with potential XSS attack was possible by modifying URLs for assignment submission and tricking another user into following it.

Issue: XSS in assignment submission page

Severity/Risk: Minor

Versions affected:

Version 3.2 and 3.1 to 3.1.3

Version 3.2.1 and 3.1.4 (both backported to 2.7.18 and 3.0.8 as a precaution)

Fixed:

Reported by: Agn Lüding and Wester Ahlbeck

Issue ref: MUS-5798

CVE identifier: CVE-2017-2028

Changes presented:

http://git.moodle.org/gitorious/moodle.git;a=search&h=HEAD&ut=commits&id=MUS-5798

Permalink

Regular security updates

Moodle is regularly updated with the latest security patches to help ensure your Moodle site is secure.

Security

Psychology in Cinema

Dashboard / Courses / Art and Media / Psych Cine / Course administration

Course administration

Course administration Users Reports

Reports

- Competency breakdown
- Course completion
- Live logs
- Activity report
- Course participation
- Activity completion
- Statistics
- Event monitoring rules

Detailed reporting and logs

View and generate reports on activity and participation at course and site level.

Site-wide reports

Course Development and Management Features

This screenshot shows a Moodle course page for 'Focus on Picasso'. It features a large image of a painting and a navigation menu on the left with links like 'Assessment and Feedback' and 'Activities and Resources'.

Direct learning paths

Design and manage courses to meet various requirements. Classes can be instructor-led, self-paced, blended or entirely online.

Pedagogy

This screenshot shows the 'Add an activity or resource' dialog box in Moodle. It lists various activity types like Assignment, Chat, Choice, Database, External tool, Feedback, Forum, Glossary, Lesson, Quiz, Survey, Workshop, and Book. Each activity has a brief description and a 'More help' link.

Encourage collaboration

Built-in collaborative publishing features foster engagement and encourage content-driven collaboration.

Activities

This screenshot shows a Moodle quiz page titled 'Chemvantage Atoms and Elements Quiz'. It displays a list of questions with descriptions and a timer indicating 14 minutes and 10 seconds remaining.

Embed external resources

Teach materials and include assignments from other sites and connect to the gradebook in

Moodle.

External tool

This screenshot shows the 'Insert media' dialog box in Moodle. It includes sections for 'Add alternative source', 'Display options', 'Advanced settings', and 'Tags' and 'Competencies'.

Multimedia Integration

Moodle's built-in media support enables you to easily search for and insert video and audio files in your courses.

Working with media

This screenshot shows the 'Harry Potter studies' group management page in Moodle. It displays a list of group members and group settings options.

Group management

Group learners to share courses, differentiate activities and facilitate team work.

Groups

This screenshot shows the 'Psychology in Cinema' marking workflow page in Moodle. It displays a table of student marks with columns for 'User picture', 'First name', 'Surname', 'Status', 'Marker', 'Grade', 'Edit', and 'File submissions'.

Marking workflow

Conveniently assign different markers to assignments, manage grade moderation and control when marks are released to individual learners.

Assignment module