

Makersteam - LMS Virtual Platform

CURRICULAR MAKERSTEAM

Makersteam v1.0 is an **educational web platform** that encourages active learning by allowing self-management of courses and curriculum programs on 3 topics: **science, technology, and invention-innovation**. These are divided into elementary school to high school levels, with a list of subjects available in each topic. It is oriented to the self-managed learning process of academic programs. The curricular thematic contents are integrated into lessons or projects. In this way, students achieve the learning objectives with high performance, acquiring multidisciplinary knowledge and developing transversal skills for their intellectual and socio-emotional development.

MAKERSTEAM AS LMS (Learning Management Systems)

Makersteam's structure allows for the creation of virtual groups or classrooms, such as empty virtual spaces for each subject. The teacher can create and upload lessons on each topic, with didactic sequences of content and learning activities. The students work on tasks and projects and consume conceptual content, building their learning asynchronously. The teacher monitors the students' progress per lesson, supporting them and making timely individual decisions for each student.

Main features and functionalities:

- **FUNCTIONALITIES ORIENTED TO THE LEARNING PROCESS BY TOPIC**
 - Structure of activities and contents for the creation and operation of:
 - ✓ Teaching sequences of learning, main and complementary
 - ✓ Glossary
 - ✓ Digital resources and additional activities
 - ✓ Frequently Asked Questions regarding the topic
 - ✓ Bank for Assessments (*Coming soon*)
 - PDF files, which can be uploaded, downloaded, edited, and reloaded
 - Loading and playback of short videos (large files are handled by links to video platforms like YouTube, with direct links)
 - ZIP files (to upload files in various formats)
 - Delivery of files and evidence of projects or activities (students can send evidence of their work to teachers)

- **COMMUNICATION AND COLLABORATION FEATURES**

- Notices or bulletin board by subject, where the teacher can share general messages and files to the members of the group
- Discussion forums for teamwork or questions and discussions on a particular topic
- Internal Messaging Mailbox
- Notifications of alerts or messages with instant access to the corresponding tool or section

- **STUDENT LEARNING MANAGEMENT**

- Review and analysis by the teacher of the progress of the students in their platform activities, either by student or summary report of the group
- Online review of assignments and projects with feedback; the teacher can add a comment which will be visible to the student
- Blocking of task deliveries and evidence of activities
- Grading lessons with personalized assessment methods (teacher grades the students' work using the type of assessment they want)
- Organization of work teams for projects and activities
- Individual storage of evidence for learning, tasks, and projects throughout the school year

- **SCHOOL ADMINISTRATION FUNCTIONS**

- School administrator privileges for creating users (teachers and students)
- Creation of virtual subject groups with one teacher and their students
- Relevant information by groups, registration of teacher and student connections
- General reports exportable in different formats (PDF, XLS)

- **GENERAL FUNCTIONALITIES**

- Responsive for any type of computer or mobile device with a modern web browser; user-friendly navigation and operation
- Asynchronous activities (users can connect at the time provided)
- Collaborative academic projects; students develop projects in teams, feeding a log with entries, files, and images and then exporting it as a project report (*Coming soon*)
- Project library, where a gallery of finished projects can be collected and published for sharing with groups from the same institution (*Coming soon*)
- Customizable access portal, using domains and images of the institution

- Configurable for various academic levels: elementary school, middle school, and high school
- Languages: English and Spanish