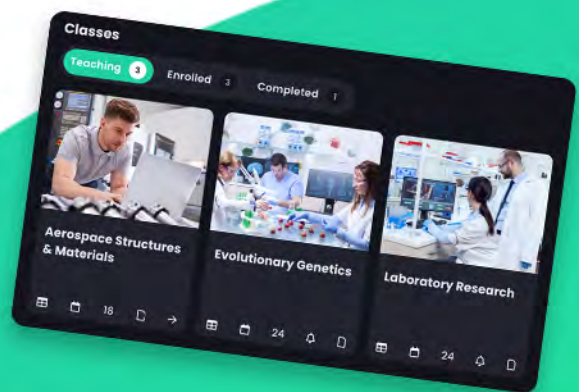


# How to **create** **engaging online classes** using CYPHER



# Table of contents

How CYPHER helps you create engaging online classes	3
CYPHER features that enhance your online classes	4
About CYPHER Learning®	14



Teachers need an easy way to offer online content, to efficiently assess students, a centralized location to organize learning materials, as well as a variety of options to keep students motivated and engaged.

# How CYPHER helps you create engaging online classes

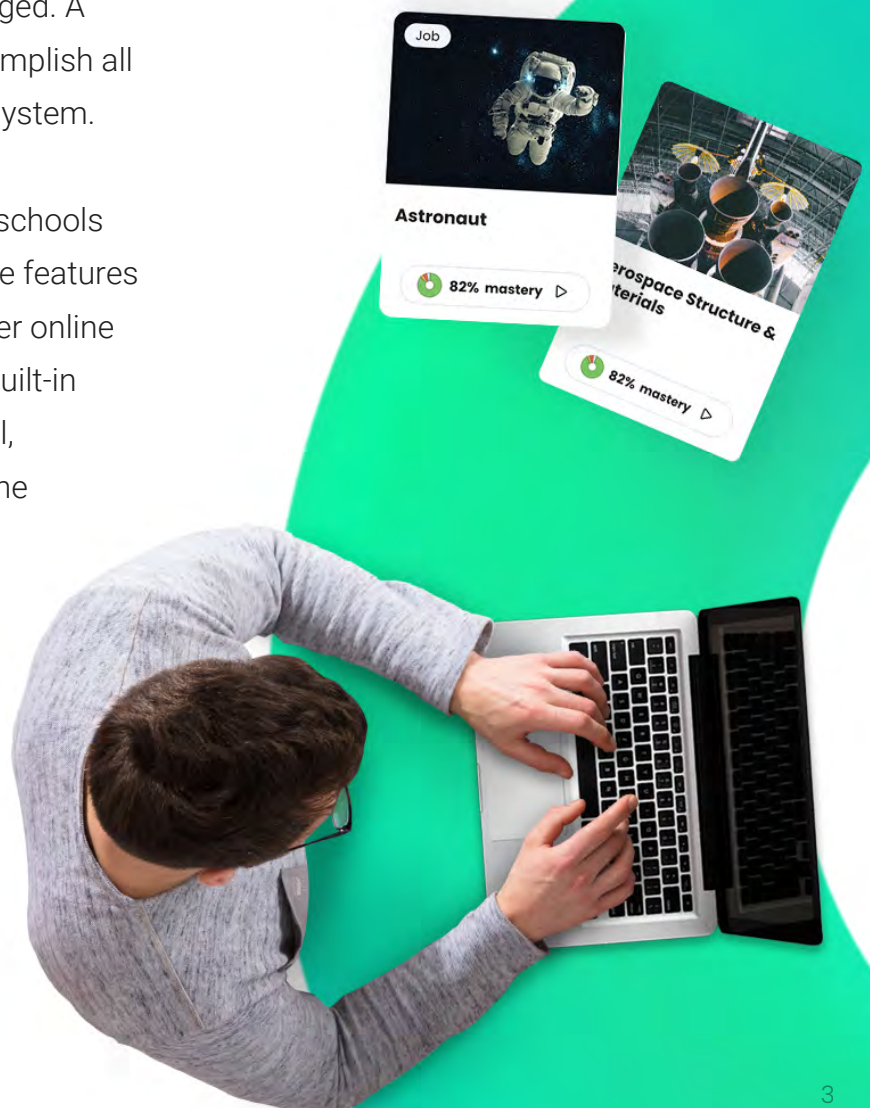
**Technology has transformed education**, making it possible for teaching and learning to expand beyond the classroom walls. With the help of e-learning, teachers can create and deliver online courses using various digital tools and devices.

Teachers need an easy way to offer online content, to efficiently assess students, a centralized location to organize learning materials, as well as a variety of options to keep students motivated and engaged. A great tool that helps teachers accomplish all of that is a learning management system.

CYPHER is a learning platform for schools and universities that provides all the features educators need to create and deliver online classes. With an **intuitive design**, built-in AI agent and content authoring tool, teachers easily build engaging online classes, without any technical knowledge. Using **gamification**, teachers make learning more fun and interactive for students, while **automation** reduces their workloads and makes teaching more flexible.

CYPHER makes it easy to embed your favorite multimedia files in class content, **personalize learning** materials, **assess** students, and keep track of their progress.

In this brochure, we will guide you through some of the most useful CYPHER features for creating online classes.



# CYPHER features that enhance your online classes

CYPHER helps teachers create unique content and easily share their knowledge. Here are some of the CYPHER features

that will help you design outstanding online classes and enhance the learning experience:

## Class styles suited for all teachers

Educators choose the class style that best suits their teaching methods, whether it's instructor-led, blended, self-paced, or micro learning. Each class type has useful features based on a particular teaching approach that will **make online content creation a breeze**:

### Instructor-led classes

This type is useful for classes where a teacher's presence is important. Learning takes place in a traditional classroom environment, but the class material is created and delivered through CYPHER.

### Blended classes

These are classes that use a blend of instructor-led and self-paced lessons. This is a good method for students to practice independent study while still having the teacher nearby.

### Self-paced classes

Self-paced classes enable students to go through lessons at their own pace, without having a set learning schedule. This is a great way for students to learn, even when they're not at school.

### Micro learning

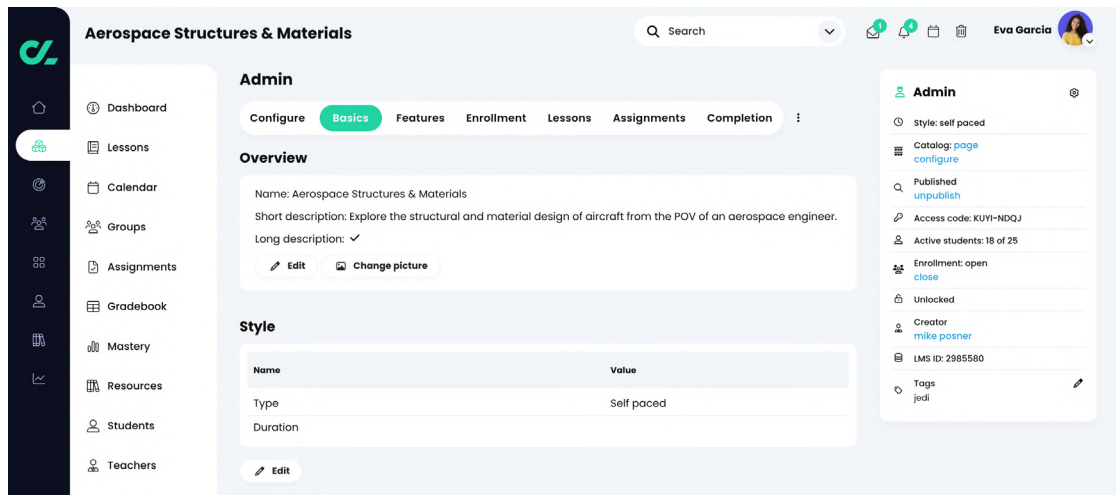
Micro classes are bite-sized classes that are designed to be consumed in small 5-10 minute chunks and allow students to focus on the content, by removing all distractions.



## Configuring classes

CYPHER was designed to **ensure a smooth class setup**. You can easily add a new class, copy an existing one, or use a previously created class template. Also, you can

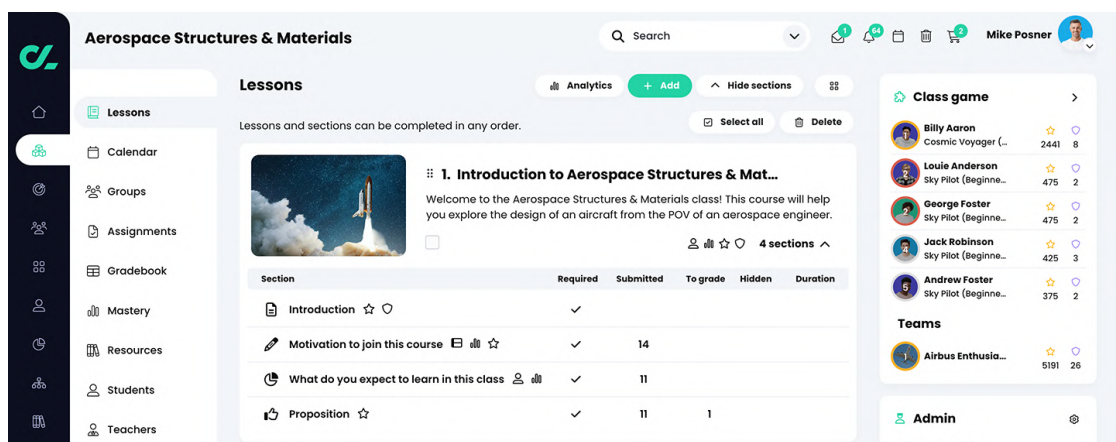
**customize** many aspects of the class and enable/disable features based on your specific needs and your students' grade level.



## Organizing content

In CYPHER, lessons are the core content of any class. A lesson is made out of three section types: **pages**, **assignments**, and **SCORM content**. Ideally, a lesson should be easy to navigate and include a combination of text, images, audio, video, and other

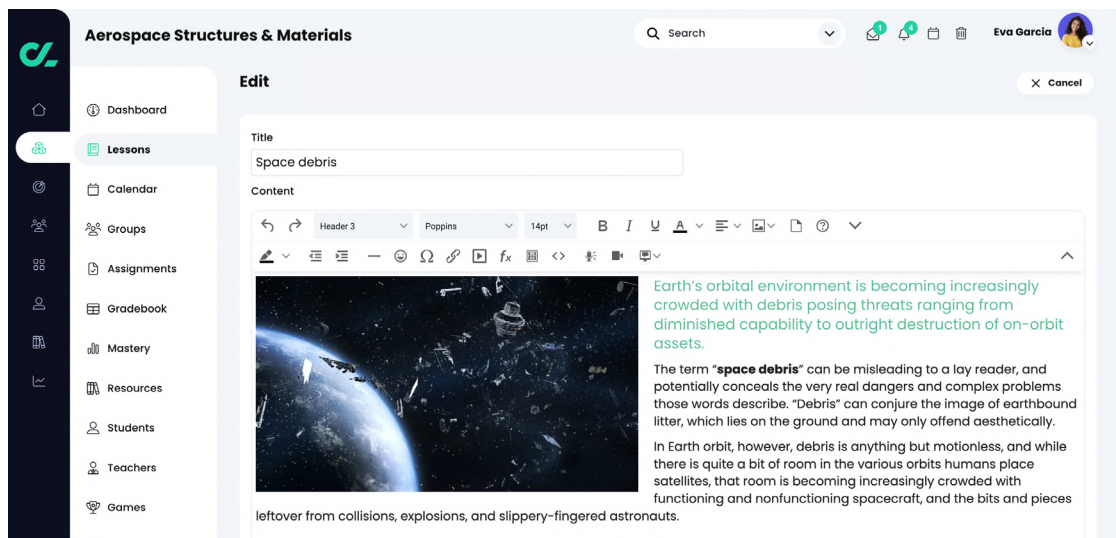
web media. Some of the sections can be assignments with completion thresholds, which means that students cannot complete the lesson until a specific threshold score is achieved.



## Content authoring

CYPHER Agent can help you create courses in minutes or use our built-in content authoring tool to create or edit classes. Using the editor, you can embed any kind of content and media including images, audio,

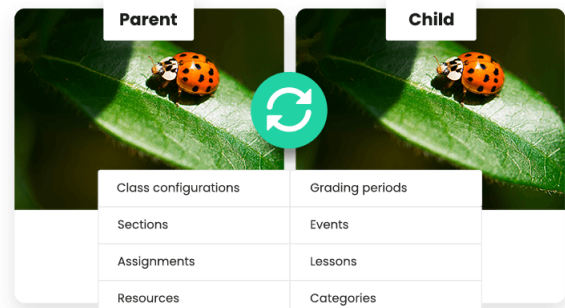
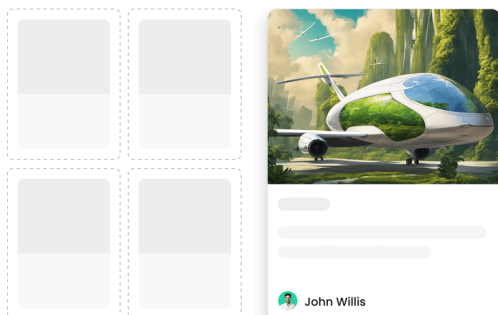
video, Google Docs, Office documents, PDF, and more. You can also record video or audio directly from your browser and embed MS Teams, Google Meet, and more.



## Templates and content sync

Using CYPHER teachers save time by teaching multiple sections of a class, and use our **unique class sync feature** to push changes from a master copy of a class to other classes.

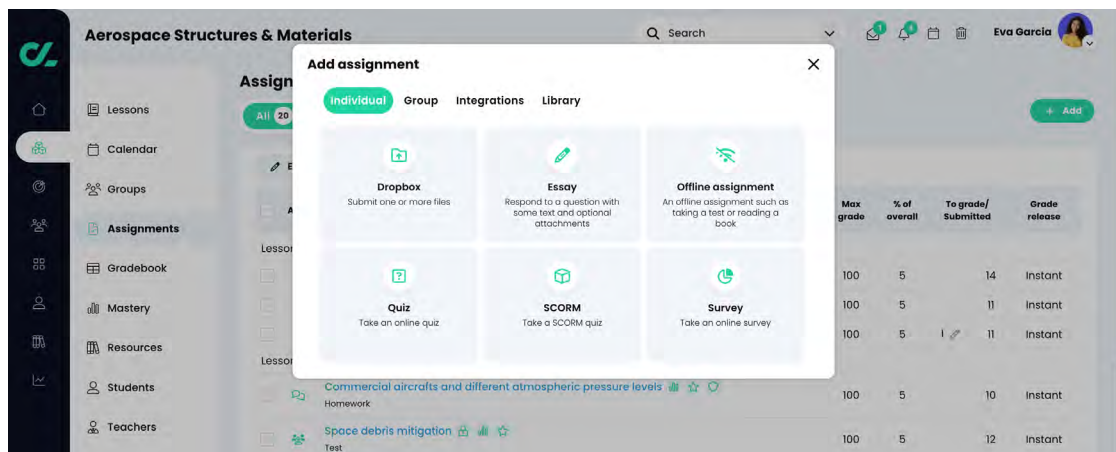
Educators can also create classes based on **reusable templates**, which are stored in the resources library. Templates can be used as “cookie cutters” for future classes.



## Assignments

Quickly assess how well students understand the concepts that you teach in a class using various assignments and grading tools. In CYPHER, you can choose from **16 assignment types** such as quizzes,

essays, debates, team, Dropbox, discussion, surveys, LTI, Google Assignments, and more. We also integrate with Turnitin and Unicheck for plagiarism detection.



## Gradebook

Our powerful gradebook offers a **centralized view** of all grades. You can add results and make changes easily. It includes pop-up analytics, where you see your students'

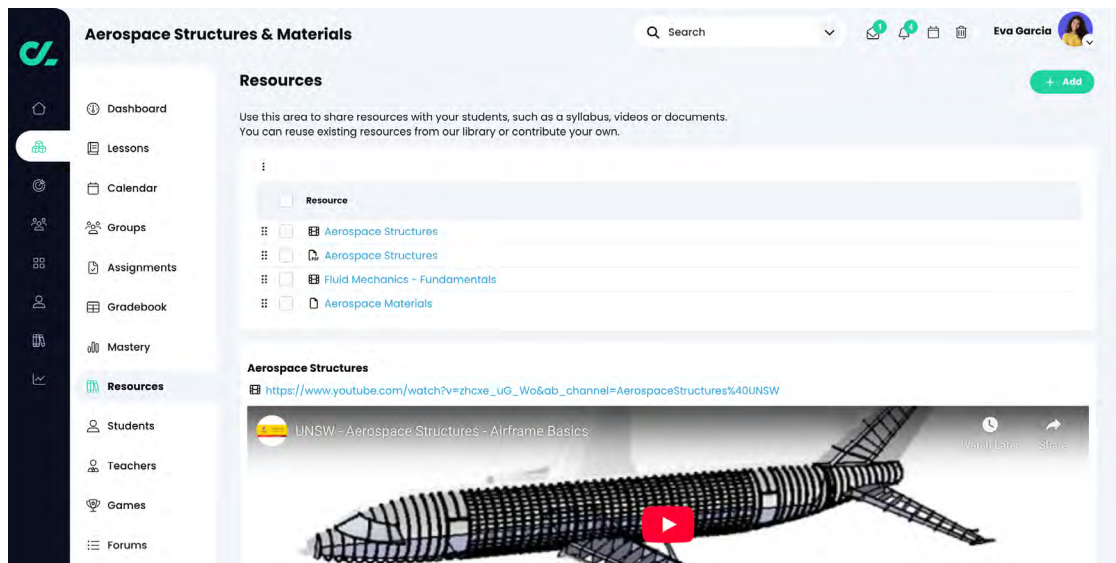
progress through the assignments and provides access to statistics that help you build a more customized learning experience for your students.

Assignments		Motivation to	What do you	Proposition	Commercial	Space debris	Largest space	Quiz: Materials
Category	Grade release	Instant	Instant	Instant	Instant	Instant	Instant	Instant
Students	Overall	100	100/p	100	100	100	100	15
Aaron, Billy	81% B+	83	80	87	78	100	70	5
Anderson, Louie	74% B-	59	60	89	62	90	80	4
Chen, Jordan	79% B	84		75	0	100	73	3
Foster, Andrew	73% B-	85			89	90		3
Foster, George	76% B	90	100	90	0	100	87	4

## Resources

Each class has a dedicated area to **store, manage, and share resources** such as images, videos, Google docs, and PDF files. You can even add links to a web resource

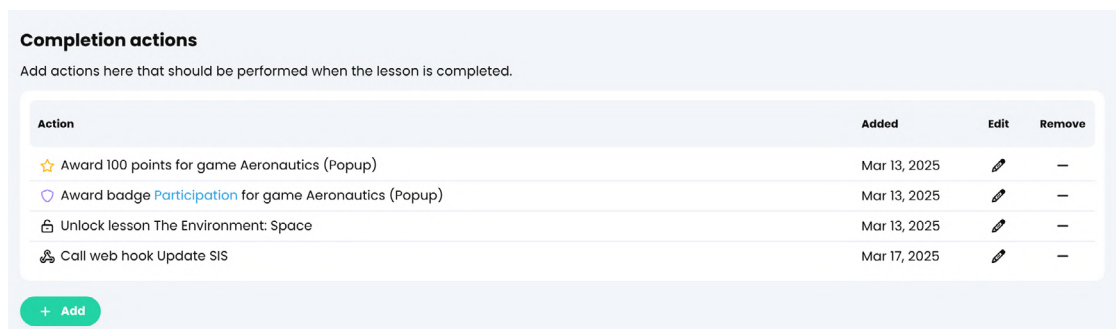
or use items from a library to offer students extra help and support. We automatically embed resources and display them in the appropriate format.



## Automation

**Keep students motivated and engaged** by personalizing content through automation. You can automate time-consuming tasks and make learning more flexible. Use automation to trigger actions that happen under certain conditions, such as when

students enroll in your class, complete the class, finish a lesson, submit an assignment, and more. For example, when a student completes a class, you can award them with a **certificate of completion**.





## Gamification

Make learning fun and competitive with gamification by creating games where **students earn points and badges** for completing tasks, such as finishing a lesson, or submitting an assignment. You get to define levels for games and how many points are required to pass each level. To

encourage students to participate in games, teachers can create **team games** by adding groups to the class games. We provide a built-in library of beautiful badges and the option to upload custom badge images or create your own using the badge builder.

The screenshot displays the 'Aerospace Structures & Materials' class game setup. The interface includes a sidebar with navigation options: Dashboard, Lessons, Calendar, Groups, Assignments, Gradebook, Mastery, Resources, Students, Teachers, Games, and Forums. The main content area is titled 'Class game' and features a search bar, a description field, and a 'Games' button. Below this is a 'Levels' section with a table listing game levels and their corresponding points.

Levels	Points	Edit	Remove
Sky Pilot (Beginner)	300		
Star Navigator (Intermediate)	700		
Cosmic Voyager (Advanced)	1000		

Below the levels table is a '+ Add' button. Further down is the 'Sky Pilot (Beginner) level actions' section, which lists actions performed when this level is achieved.

Action	Added	Edit	Remove
Send the canned message: "achieve level" (Popup)	Sep 28, 2021		
Award 50 points for game Aeronautics (Popup)	Nov 14, 2022		

On the right side of the interface is a 'Leaderboard' section showing a list of students and their scores. Below the leaderboard is a 'Teams' section.



Using gamification, teachers make learning more fun and interactive for students, while automation reduces their workloads and makes teaching more flexible.

## Mastery

Using **competency-based learning**, teachers easily track how well students are mastering the concepts taught in a class. Teachers create their own competencies directly in CYPHER, **upload competencies**, or use some of our pre-built curriculums such as the U.S. Common Core and Next Generation Science standards. You can tag class content and assessments with the competencies they are teaching and

assessing, then track student progress and quickly identify problem areas. In CYPHER, you can add actions that are performed when students reach a certain competency level. For example, if a student stays between a 30 - 40% competency level for more than 10 days, you can set up a rule to get an alert when this happens and send the student recommendations on how to improve in that area.

Competencies	Code	1	1.1	2	2.1	2.2	2.3	2.4	3	3.1
Student	Average	68%	68%	77%	74%	79%	72%	80%	88%	8
Johnson, Aaliyah	85%	89%	91%	90%	85%	95%	93%	92%	99%	9
Foster, Andrew	82%	99%	100%	96%	100%	91%	84%	89%	98%	5
Patel, Arjun	77%	88%	89%	91%	85%	86%	77%	87%	85%	8
Aaron, Billy	60%	73%	78%	76%	65%	58%	39%	64%	63%	8
Santos, Casey	56%	56%	58%	56%	60%	60%	56%	60%	68%	7
Jobs, Dillon	74%	89%	94%	77%	95%	80%	83%	76%	76%	
Smith, Emma	82%	99%	99%	97%	100%	80%	66%	81%	77%	10
Foster, George	86%	97%	100%	92%	100%	94%	96%	95%	88%	8

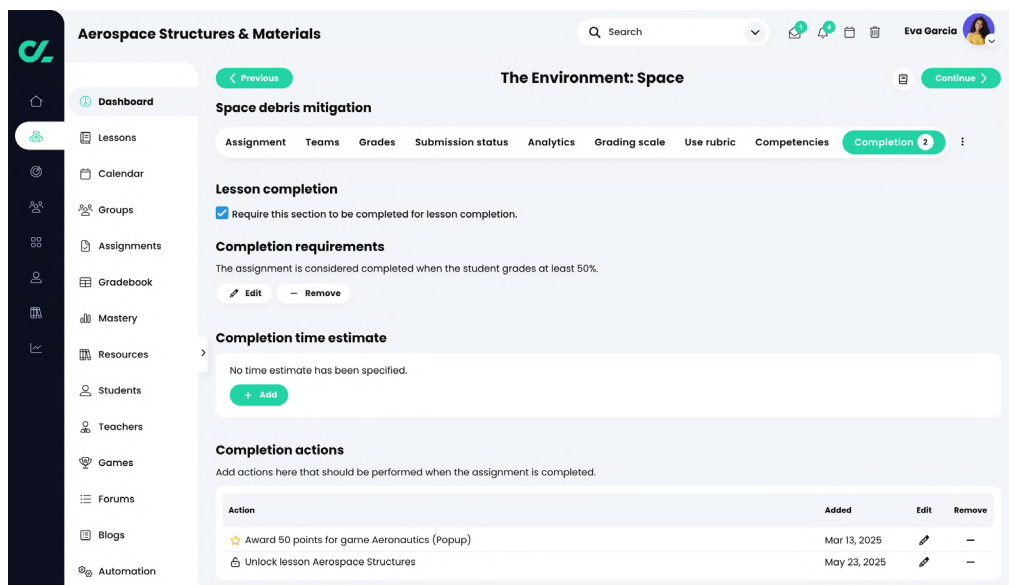


CYPHER is a learning platform for schools and universities that provides all the features educators need to create and deliver online classes.

## Adaptive learning

Adaptive learning helps teachers deliver highly personalized learning experiences to their students. **Dynamically personalize what content and assignments students see** in classes and learning paths based on their progress and define rules that,

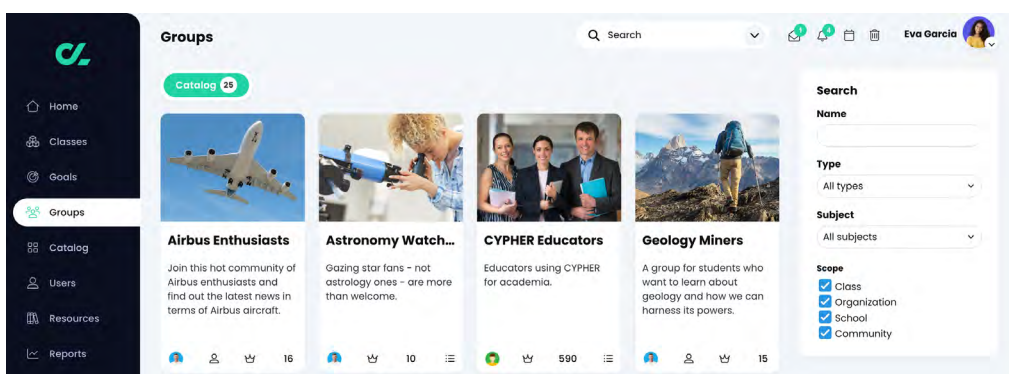
when triggered, show or hide specific classes, content sections, or assignments. For example, if a student gets below 50% on an assignment, you can lock the next lesson and only make it available when they manage to pass.



## Collaboration tools

Enhancing collaboration is easy using tools such as **groups, forums, blogs, chats**, and **wikis**. These communication features are great for facilitating communication and

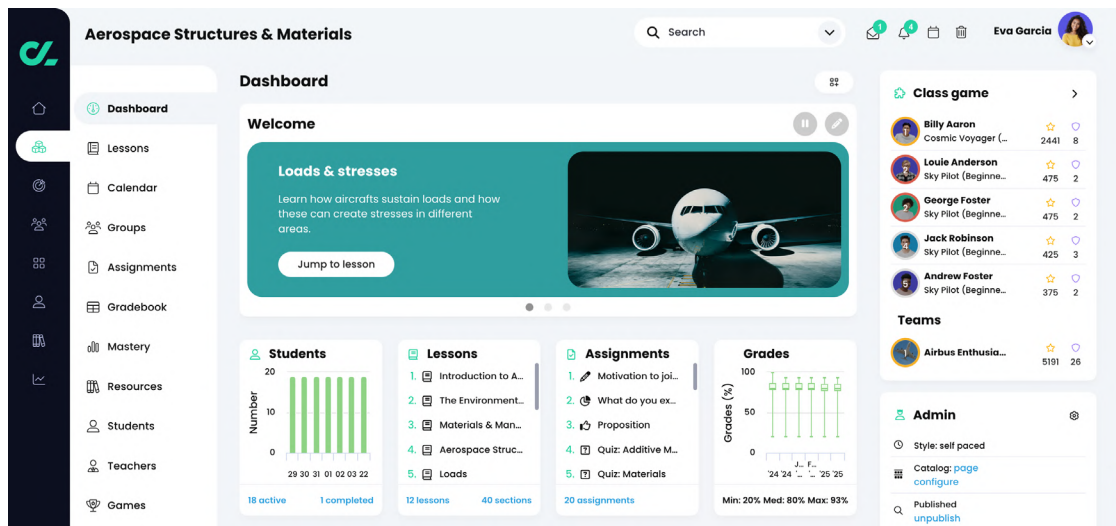
interaction between students and teachers. Educators can use them to assign team projects, study groups, live Q&A sessions, and more.



## Class dashboard

The class dashboard consists of **widgets displaying the most important class information**, such as relevant statistics on grades, students, and assignments.

Widgets are completely customizable using drag and drop and teachers can choose which widgets to display. Widgets can be integrated with



## Students overview

We know how important it is for teachers to have all the **essential information about their students** easily accessible. In the Students overview area of the class, teachers get a

detailed view of all the students enrolled in a class, as well as their grades, scores, mastery levels, progress through the class, activity timeline, awards, and more.

Home

Groups

Assignments

Gradebook

Mastery

Resources

Students

Teachers

Games

Aerospace Structures & Materials

Search

1

4

Eva Garcia

Students

Active 18CompletedUnenrolledCompliance

Message

Grades

Passwords

Award

Unenroll

Transfer

Deactivate

Complete

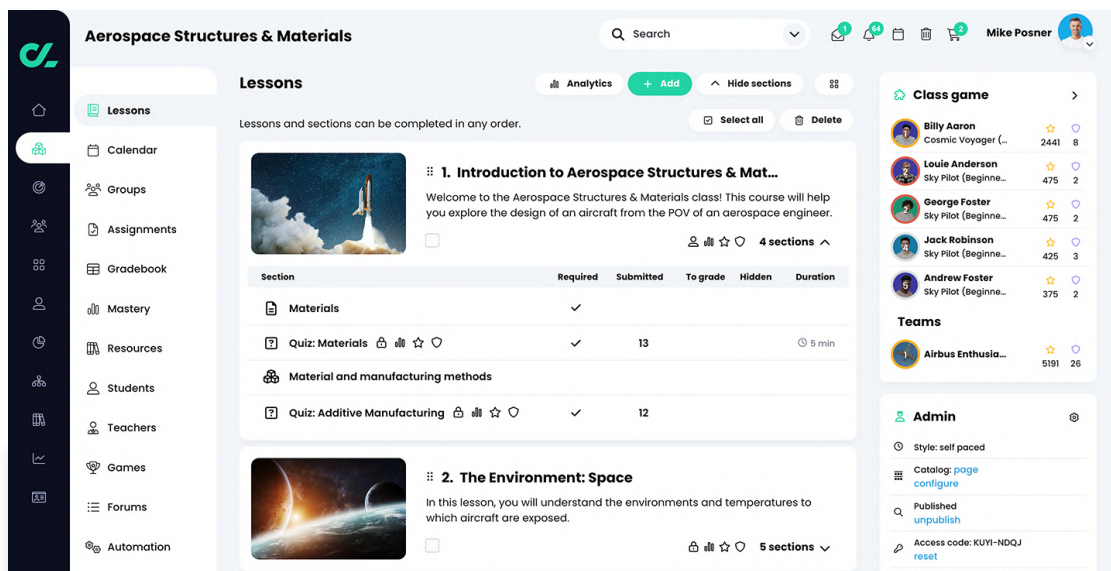
<input type="checkbox"/>	Name	Progress	Grades	Grade	Due	Awards	Mastery	Time	Enrolled	Last visited	More
<input type="checkbox"/>	Aaron, Billy	<div>82%</div>	<div>B+</div>	B+	-	31	<div></div>	03:38:23	Sep 24, 2021	4 hours ago	<div></div>
<input type="checkbox"/>	Anderson, Louie	<div></div>	<div>B-</div>	B-	2	18	<div></div>		Sep 24, 2021	1332 days ago	<div></div>
<input type="checkbox"/>	Chen, Jordan	<div></div>	<div>B</div>	B	2	15	<div></div>	00:15:48	Sep 24, 2021	3 days ago	<div></div>
<input type="checkbox"/>	Foster, Andrew	<div></div>	<div>B</div>	B	4	17	<div></div>	00:00:15	Sep 24, 2021	182 days ago	<div></div>
<input type="checkbox"/>	Foster, George	<div></div>	<div>B</div>	B	3	18	<div></div>		Sep 24, 2021	Never	<div></div>
<input type="checkbox"/>	Garcia, Taylor	<div></div>	<div>F</div>	F	15	6	<div></div>	00:14:25	Dec 1, 2021	7 days ago	<div></div>
<input type="checkbox"/>	Jobs, Dillon	<div></div>	<div>D</div>	D	15	18	<div></div>	00:01:20	Mar 25, 2023	788 days ago	<div></div>
<input type="checkbox"/>	Johnson, Aaliyah	<div></div>	<div>A-</div>	A-	3	17	<div></div>	00:00:17	Sep 24, 2021		<div></div>



## Learning paths

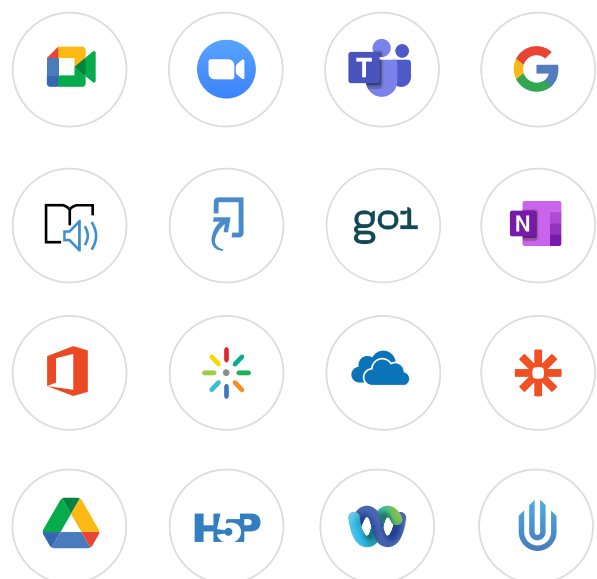
Learning paths are a special kind of class, where you have **goals as sections**. These goals represent a certificate or another class. Combine class goals and certificate goals with other kinds of sections such as

content pages and assignments to create more dynamic flows. For example, you could start a path with a video, then ask the student to complete a class, then follow up with a quiz that tests their knowledge.



## Third-party apps and tools

CYPHER integrates with the **most popular and useful systems for education** so that teachers can use all their favorite tools in one centralized location. CYPHER integrates with apps such as Google Drive, Google Workspace, Microsoft 365, OneDrive, MS Teams, Google Meet, Kaltura, Go1, Zapier, H5P, Zoom, Turnitin, xAPI, LTI, MS Immersive Reader, OneNote, and more.



# About CYPHER Learning

CYPHER Learning exists to give learners the power to succeed in a rapidly changing world. Trainers, learning and development (L&D) pros, HR pros, and educators get everything they need in one platform to deliver faster, more personalized, and better learning outcomes. We provide the only all-in-one AI-powered

learning platform that is easy-to-use, beautifully designed, and built to power billions of learning moments every day. Create courses faster. Train and teach better. Learn even quicker. Experience our “just in time, just for you, just the way you want to learn” approach that puts people first.



To learn more about CYPHER Learning and our modern learning platform, visit us at

[www.cypherlearning.com](https://www.cypherlearning.com)