

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

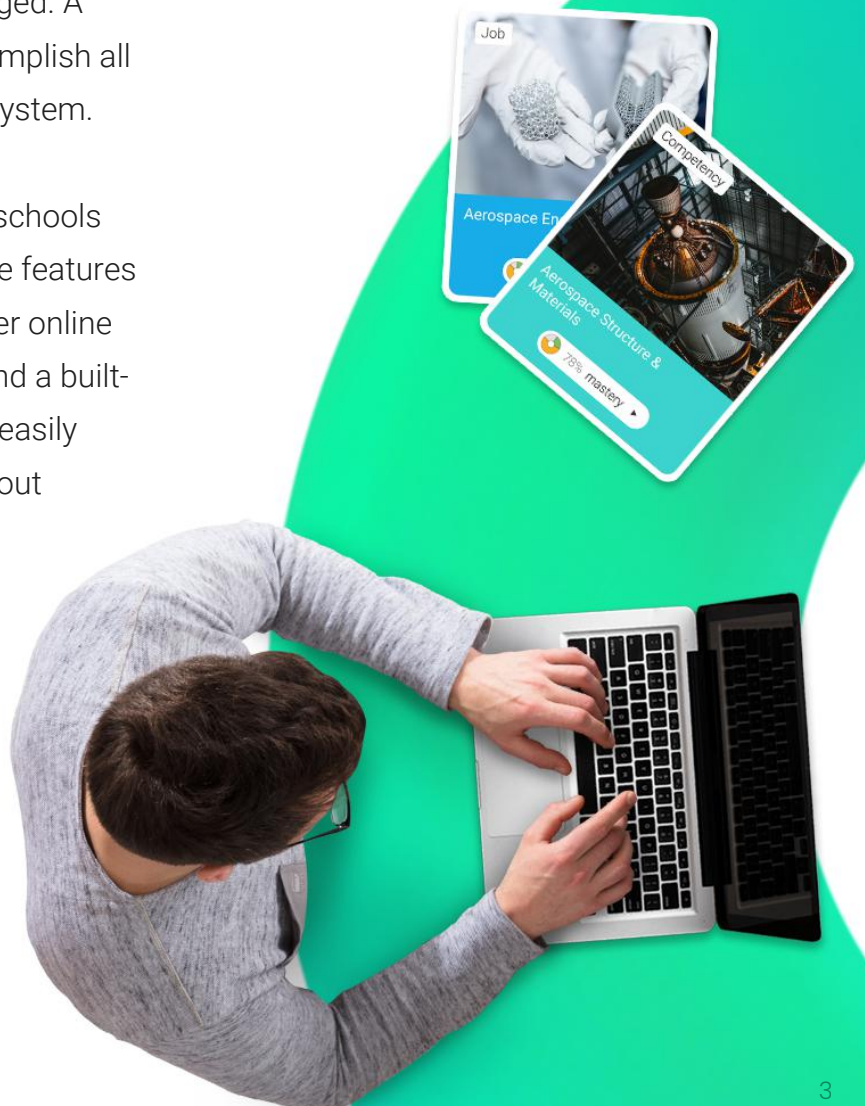
Technology has transformed education, making it possible for teaching and learning to expand beyond the classroom walls. With the help of e-learning, teachers can create and deliver online courses using various digital tools and devices.

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** and a built-in 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.

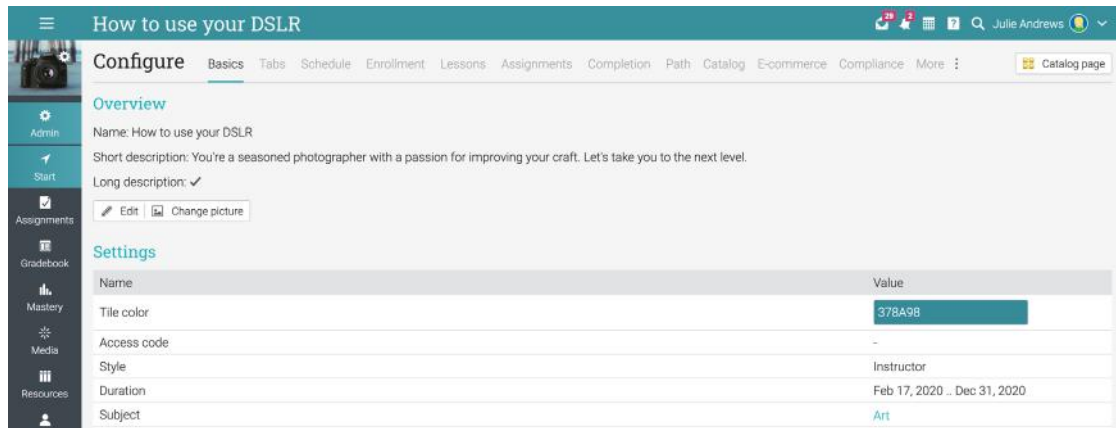
Micro learning

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

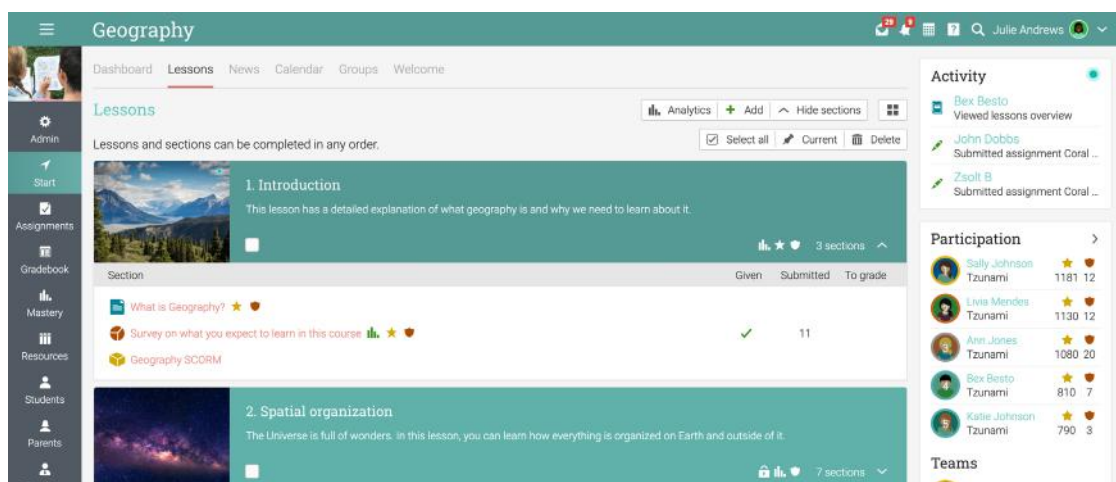
customize many aspects of the class and enable/disable features based on your specific needs and your students' grade level.



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

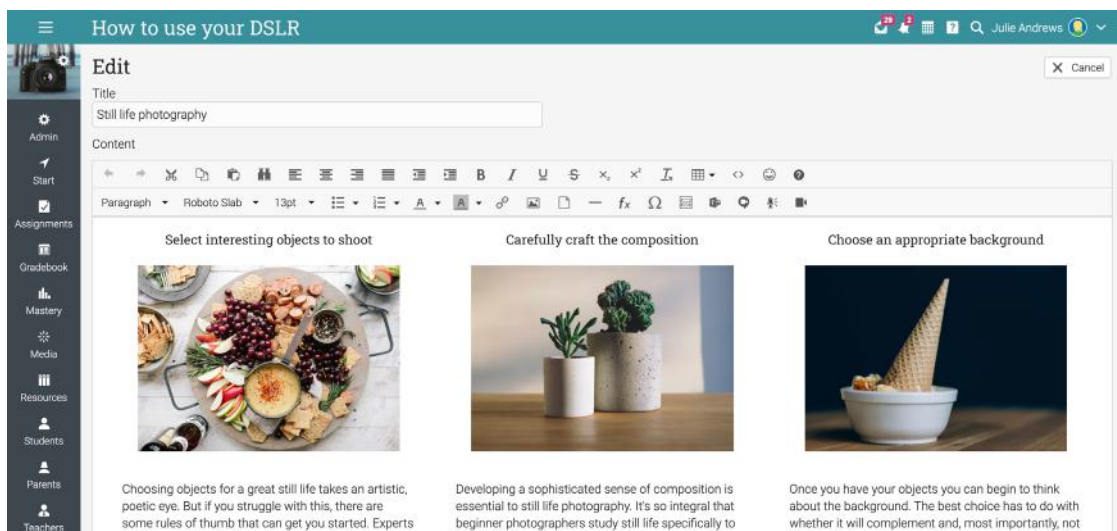
web media. Some of the sections can be assignments with completion thresholds, which means that students cannot complete the lesson until a specific threshold score is achieved.



Content authoring

CYPHER has a **built-in content authoring tool** that makes it easy to create online classes without any technical knowledge. Using the editor, you can embed any kind of content and media including images, audio,

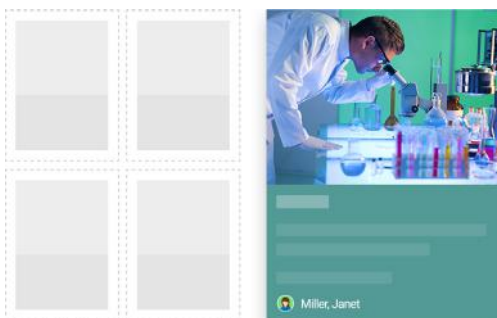
video, Google Docs, Office documents, PDF, and more. You can also **record video or audio** directly from your browser and embed MS Teams and Google Meet meetings.



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.

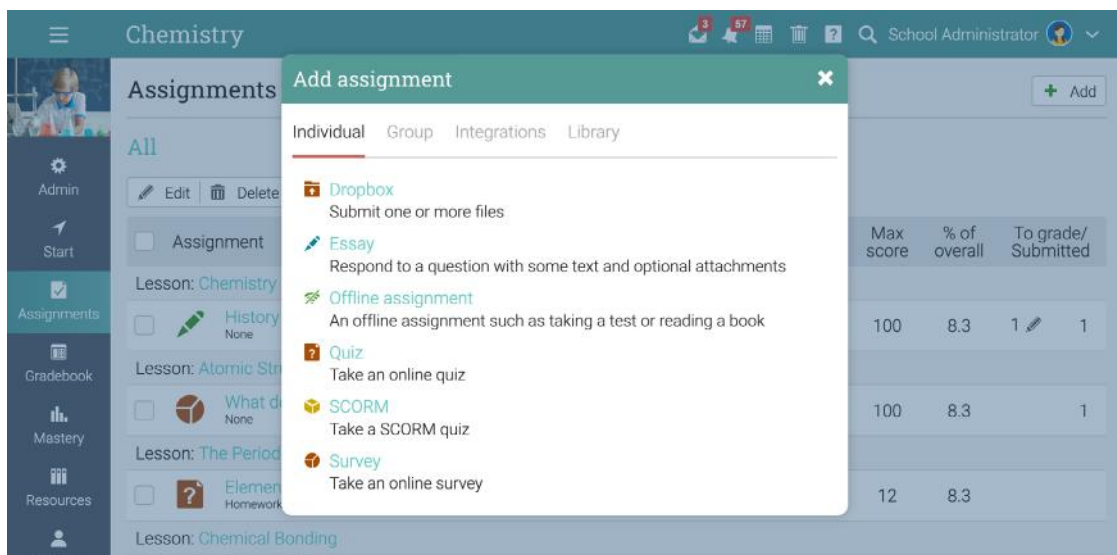
Educators can also create classes based on **reusable templates**, which are stored in the resources library. Templates can be used as “cookie cutters” for future classes.



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'

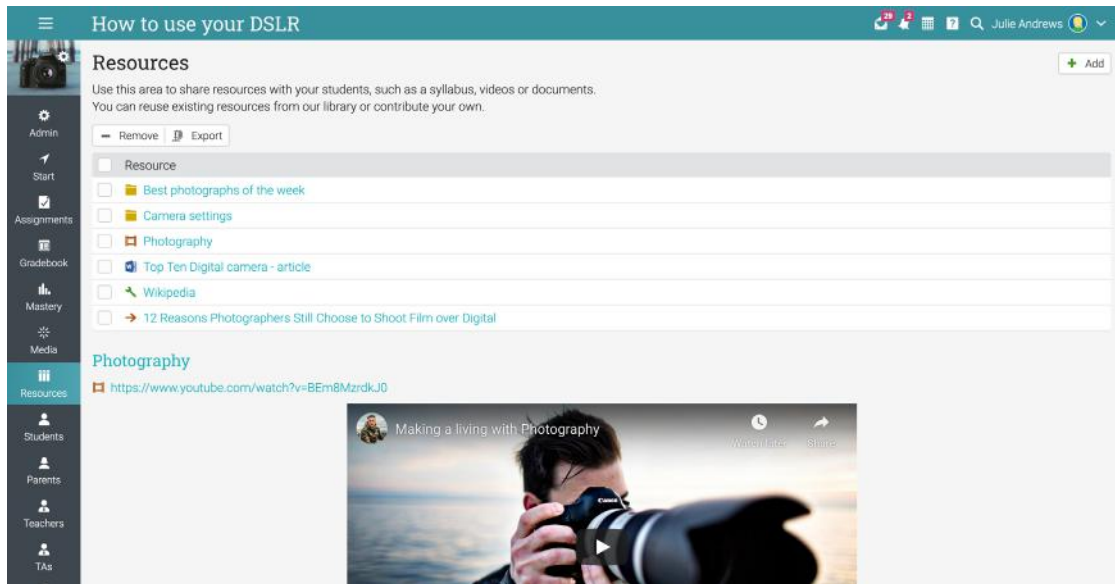
progress through the assignments and provides access to statistics that help you build a more customized learning experience for your students.

Students	Overall	Where would you like to...	Participation	US States Capitals	Types of clouds	Layers of Earth	Smallest countries in the...	Weather quiz	Planets test	Races and sub-races
Aaron, Billy	100%	100	1	-	100	83	100	6	88	83
Bennett, Tudor	53%	89	1	80	40	0	70	-	0	78
Besto, Bex	58%	9	0	90	100	0	80	0	-	100
Damiani, Steve	82%	0	1	98	98	86	5	0	99	
Diss, Travis	61%	100	2	0	67	0	66	0	93	0
Frey, Peter	51%	0	-	0	100	0	66	5	58	0

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

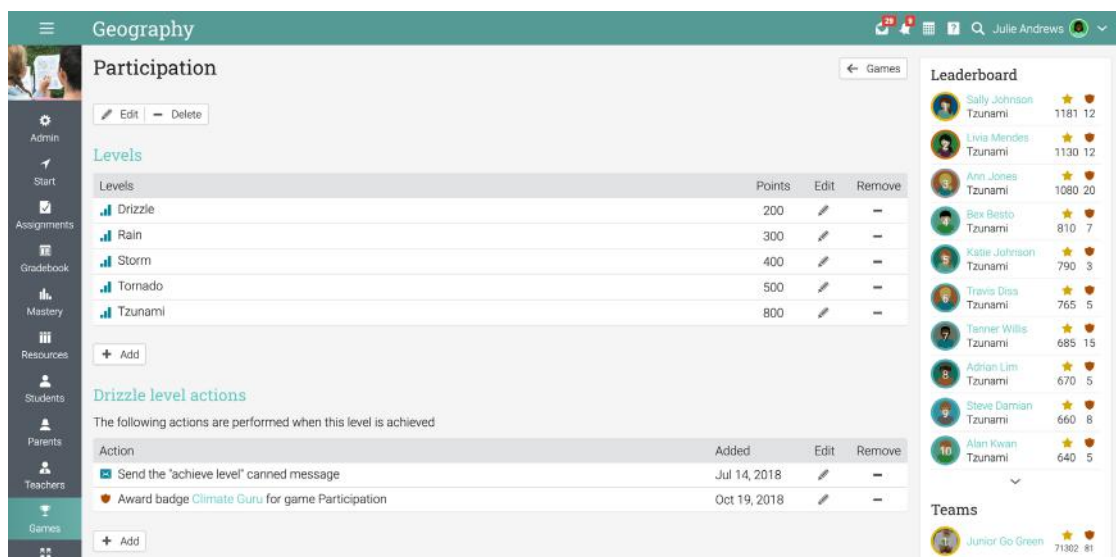
students enroll in your class, complete the class, finish a lesson, submit an assignment, and more. For example, when a student completes a class, you can award them with a **certificate of completion**.



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.



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.

The screenshot shows the 'Mastery' dashboard in CYPHER. The title is 'How to use your DSLR'. Below the title, there are tabs for 'Students', 'Competencies', 'Coverage', 'Rules', and 'Options'. A search bar contains 'Julie Andrews'. The main area displays a table of student performance data. The table has columns for 'Competencies' (with sub-columns for 'Code' and 'Average') and 12 specific competency areas. Each cell in the table contains a percentage, a star icon, and a small number. A 'Mastery threshold' of 3 measurements of at least 60% is indicated. The calculation method is 'Decaying average'.

Student	Competencies		Mastery threshold: 3 measurements of at least 60%. Calculation: Decaying average											
	Code	Average	Introduction to Digital...	Knowing your camera	Understand basic camera	Develop a foundation of...	Making a photoshoot	How to choose your subject	Composition basics	Understand basic...	Understanding of patterns, line...	Understanding of focal length...	Light an...	
Balla, Arnold	18	27%	7%	7%	1%	15%	12%	12%	10%	8%	23%	0%	20%	
Blyne, Damian	17	50%	55%	31%	67%	66%	57%	57%	44%	22%	28%	82%	50%	
Murray, Danielle	17	62%	22%	3%	53%	10%	8%	8%	61%	27%	74%	80%	78%	
Glass, Graham	14	75%	93%	94%	93%	94%	56%	56%	64%	15%	82%	97%	67%	
Hopper, James	11	56%	38%	19%	68%	28%	23%	23%	47%	50%	40%	52%	72%	
Powell, Jamie	18	70%	53%	80%	13%	67%	82%	82%	70%	70%	80%	60%	81%	
Roberts, Jen	7	29%	12%	8%	27%	0%	0%	0%	93%		93%	93%	22%	
Sanders, Ken	18	54%	62%	20%	88%	78%	72%	72%	59%	25%	66%	67%	35%	
Poppino, Martin	18	59%	41%	24%	68%	30%	99%	99%	65%	29%	84%	84%	35%	
Stator, Natalie	12	80%	66%	22%	98%	79%	25%	25%	93%	90%	94%	95%	83%	



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.

Completion actions

Add actions here that should be performed when the section is completed.

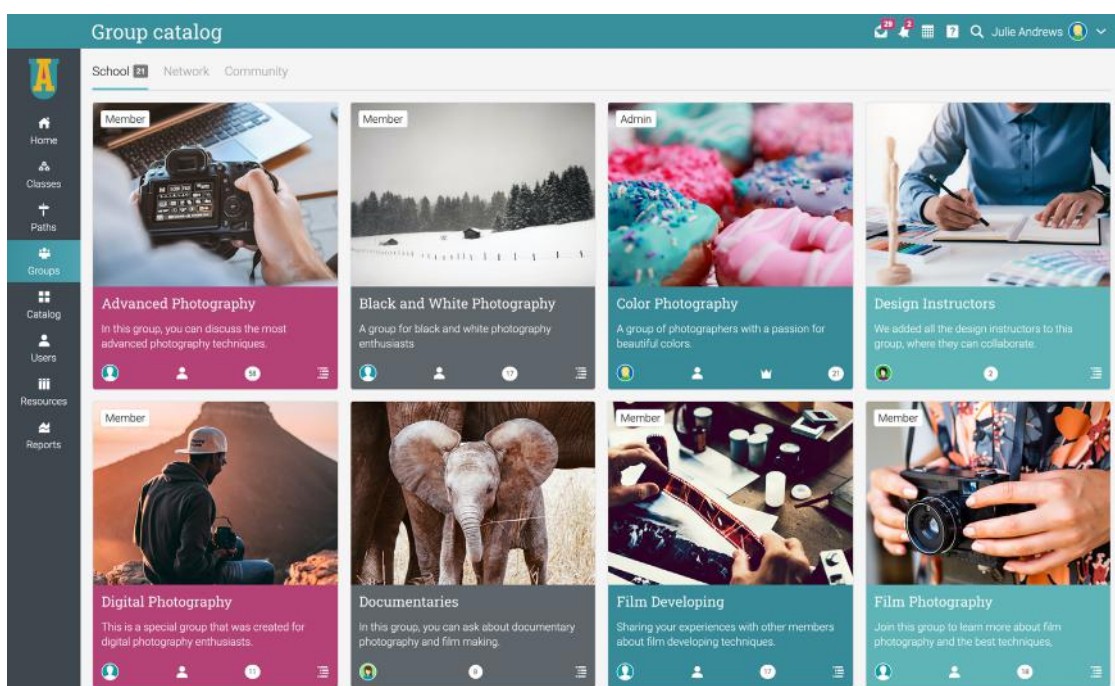
Action	Added	Edit	Remove
Show assignment Layers of Earth	Jun 7, 2018		
Hide lesson Hydrosphere	Jun 7, 2018		
Award 50 points for game Participation (Popup)	Sep 9, 2020		

[+ Add](#)

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

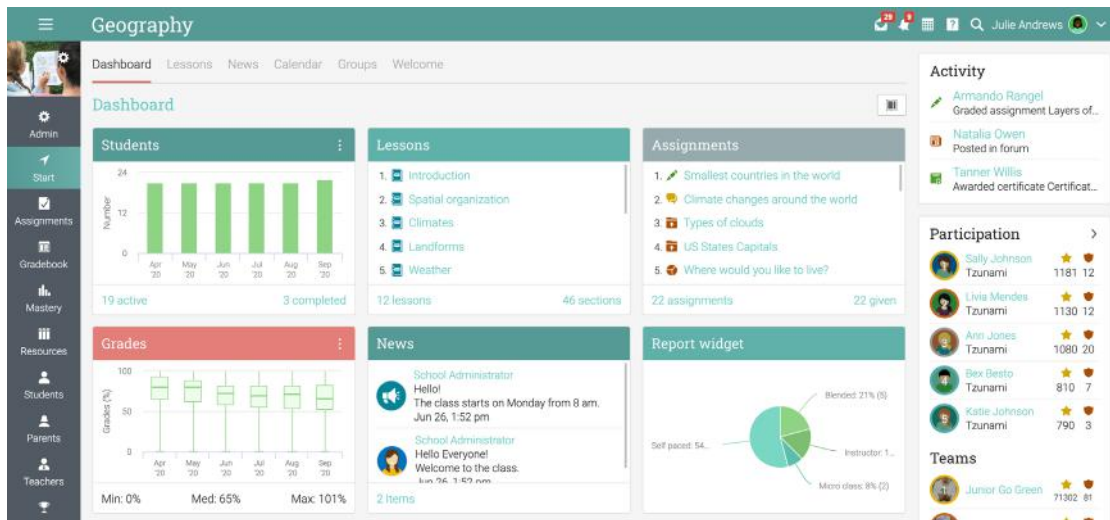
interaction between students and teachers. Educators can use them to assign team projects, study groups, live Q&A sessions, and more.



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.

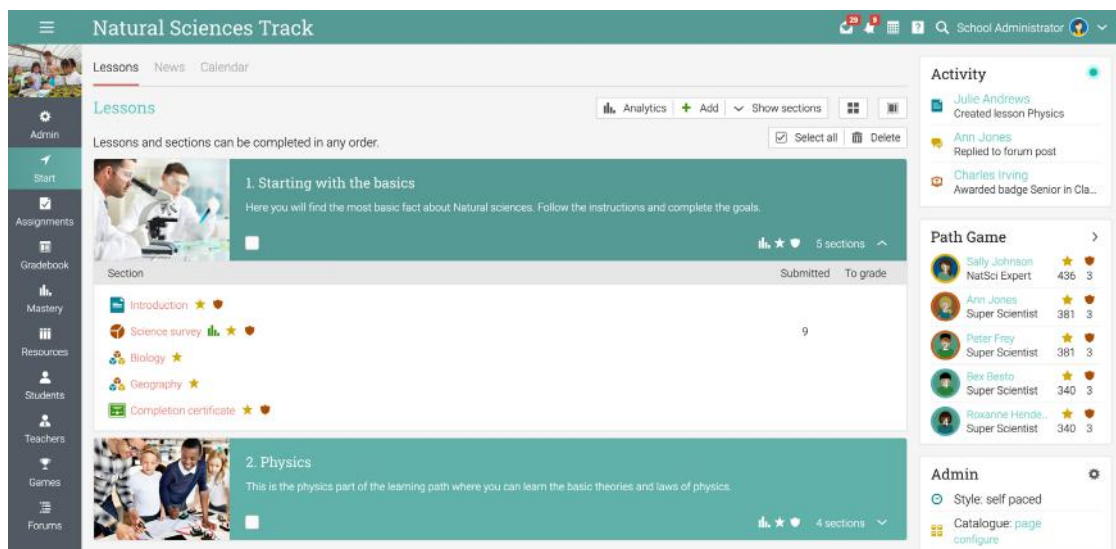
The screenshot shows the 'Students overview' page for 'How to use your DSLR'. The page displays a list of active students with the following columns: Name, Progress, Scores, Grade, Due, Awards, Notes, Portfolio, Mastery, Enrolled (Last visited), and More. The data is as follows:

Name	Progress	Scores	Grade	Due	Awards	Notes	Portfolio	Mastery	Enrolled (Last visited)	More
Arnold Balla	57%	9	C-	5	9	-	-	347 days ago	:	
Damian Blyne	56%	12	C-	4	12	-	-	520 days ago	:	
Danielle Murray	59%	11	C+	2	11	1	-	105 days ago	:	
Graham Glass	83%	12	B+	4	12	-	-	about 6 hours ago	:	
James Hopper	36%	7	F	6	7	-	-	139 days ago	:	
Jamie Powell	76%	5	B	2	5	-	-	974 days ago	:	
Jen Roberts	49%	42	D	16	42	-	1	84 days ago	:	
Ken Sanders	76%	6	B	1	6	-	-	1490 days ago	:	
Natalie Staton	83%	7	B+	5	7	-	-	65 days ago	:	

Learning paths

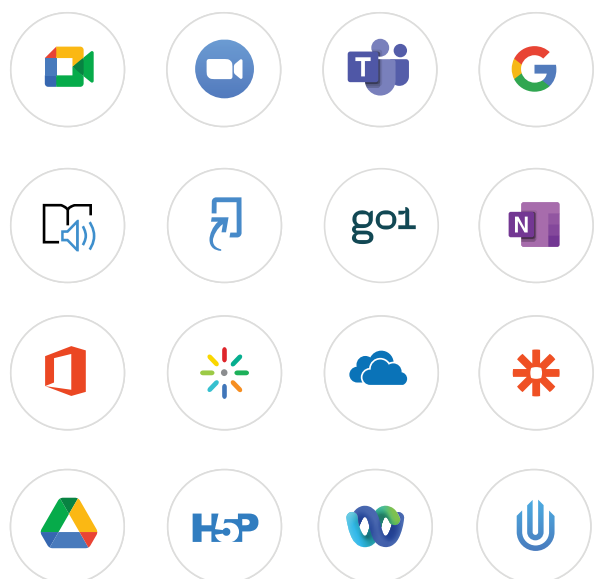
Learning paths are a special kind of class, where you have **goals as sections**. These goals represent a certificate or another class. Combine class goals and certificate goals with other kinds of sections such as

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, Office 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 is leading the necessary disruption of learning platforms to unleash human potential with modern learning.

CYPHER exists to ignite lifelong passions through personalized, engaging, and limitless learning experiences for all. We give teachers and professors more time to teach, build human connection into everything we do, and deliver tailored learning experiences that are meaningful and measurable.

Just the way modern learners expect.

The CYPHER platform is easy-to-use, beautifully designed, and infused with AI-powered technology. Every aspect beams thoughtful innovation and engineering that puts people first. Millions of users experience their “just in time, just for me, just the way I want it” approach in 50+ languages with the CYPHER award-winning platform.



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

www.cypherlearning.com