

Flipped Classroom: Assign Lectures for Homework, Use Class Time for Dialogue

For students who grew up with video and social networking, going to class and passively listening to lectures can feel like going back in time. Now schools are catering to the learning style of a new generation by introducing flipped learning. Teachers assign prerecorded video lectures as homework to complete before class, making class time available to review content students didn't understand, explain certain ideas more fully, take quizzes, and do labs.

The flipped classroom model is gaining enormous momentum and is one of the hottest topics among educators today, according to Renee Patton, Cisco's director of education for U.S. public sector. "In the flipped classroom, video is critical because it delivers what pure audio cannot: the entire spectrum of communication between human beings," she says. "It's a way for students to connect more meaningfully with their teachers and with the content."

How It Works: Capture, Transform, Share

With new, easy-to-use video solutions like Cisco® Lecture Vision, teachers can introduce flipped learning without specialized equipment or training. The process works like this:

- Teachers capture a lecture using any camera, often the built-in camera on a laptop, tablet, or smartphone. They can also use a Cisco TelePresence® System or other professional equipment.
- Behind the scenes, another Cisco solution called the MXE Media Experience Engine transforms the video for optimized viewing on different types of devices, from smartphones and tablets to laptops and large high-definition displays in cafeterias or other common areas. The engine also makes the video searchable by keyword or speaker.
- Teachers share the video with students on Cisco Show and Share®, a webcasting and video sharing application. Students visit the school's Show and Share website, or use the free Show and Share app on an iPhone or iPad. "Rather than just passively viewing the lecture, students can respond and interact with their peers by posting comments at any point in the video," says John Tuohy, education solutions manager at Cisco. "An instructor who notices a flurry of questions several minutes into the video receives valuable feedback that the concept needs further explanation."

Patton concludes, "Flipping the classroom was technically challenging until only recently, but solutions like Cisco Lecture Vision have changed the game. The flipped classroom increases access to the best learning experiences possible by allowing students to view a lecture multiple times, to rewind, fast forward, pause, and absorb the knowledge."

Read Renee Patton's blog:

<http://blogs.cisco.com/education/flipping-the-classroom-%E2%80%93-is-it-really-all-about-technology/>

Learn more about Cisco Connected Learning:

<http://www.cisco.com/go/connectedlearning>

Learn more about Cisco Lecture Vision:

http://www.cisco.com/web/strategy/education/enhanced_edu_capture.html



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