

# Teachers are Replacing Textbooks with Videos, Ed Tech and State Standards

## Researchers from the Massachusetts Institute of Technology and G7 Research report results of nationwide survey

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The usage of textbooks in the United States has been declining over the past decade. It has been hypothesized (hoped) that online content such as Open Educational Resources (OER) can be used to fill the void. However textbooks also provide valuable structure and curriculum pathways that help to organize the learning content that OER does not. G7 Research, the makers of the JogNog learning solution partnered with researchers from the Massachusetts Institute of Technology to answer four important questions: 1. Are teachers using textbooks? 2. Do teachers use OER online videos in class? 3. Do teachers know and use the state standards? 4. Can educational technology help?

The results were surprising. 85% of teachers reported showing more than one video in class each week, and 100% of teachers were aware of and using their state standards to guide their teaching.

The research program was conducted in January of 2018, with MIT undergraduates interviewing teachers to understand how they were using the state standards and if the state standards were helping them to replace textbooks with video and other online resources.

Of 80 teachers interviewed, all were aware of and mapped their lesson plans to the state standards. For many of them the standards were providing the curriculum direction that was normally the task of the textbook. They were procuring the instructional content from many free and paid online resources and educational technology solutions.

However, teachers were finding that even though there are high quality resources on the internet, they were hard to find and hard to organize. Teachers were spending from 20 to 40 minutes each time they wanted to find a short educational video to play in class.

Stephen Smith, CEO of G7 Research noted: “We found that state standards were providing important structure

that was helpful to teachers but it was not mapped to the online resources. It turns out that ‘free’ instructional content is often paid for with teacher time trying to find high quality content. This time spent on search for free content is overwhelming teachers and taking away from other important tasks that they are responsible for.”

The research concludes with a call to provide an Artificial Intelligence (AI) driven recommendation engine that can find, organize and curate online resources such as videos. Smith summarized the call to action: “Teachers need a powerful recommendation engine that is tailored to the quality and curriculum requirements of teachers. This would save teachers a lot of time, save schools a lot of money and dramatically improve the personalization of education for each individual student.”

Get a free copy of the research report here:  
<https://www.jognog.com/documents/ResearchReport-TeachersUsingVideoandEdTech.pdf>

### About JogNog

JogNog is an easy way for teachers to review the standards and topics that their students need to know for their state assessments. When used regularly, JogNog has been shown to have significant positive impact on state test scores. JogNog is available on the web for Google Classroom and Microsoft Office 365 users and as an app for iPad, iPhone, Android, Chromebook and Kindle Fire. For more information about JogNog, visit [www.JogNog.com](http://www.JogNog.com).

