

YouTube Embeddings

How to embed YouTube videos, and how they are validated.

How it works

YouTube content can be embedded (when embedding that video is allowed by the video's owner) easily in Xronos by using the `\youtube` command. The command has most of the embedding and url information already built in, so the only thing you need to include is the part of the url that comes after the "v=" in the url.

For example, in order to embed the video found at the url: https://www.youtube.com/watch?v=FvgF95i0_lw you would use the command `\youtube{FvgF95i0_lw}` which would embed the video into the page, like this:

YouTube link: https://www.youtube.com/watch?v=FvgF95i0_lw

How is it validated?

YouTube videos count toward the progress of a tile, but it only checks to see what the saved progress of watching the video is. So if a student watches the video all the way to the end, then they would get full credit for that segment of their grade (see the previous tile on [how credit broken up and assigned/earned](#)).

Optional arguments

There are no optional arguments for the youtube command at this point.

Potential Pitfalls and Problems

Progress is tied to time stamp of last watched

It is noteworthy that the credit gained for a video is tied to the percentage last completed of the video. This has two main points to consider.

- (a) If the student skips to the end of the video, they can immediately get credit for watching the video, even though they didn't watch it. This information is captured - so we plan on allowing or disallowing this ability

Learning outcomes:

in the future, and possibly having a notification for when students skip ahead for credit instead of watching video.

- (b) Sometimes YouTube will stop the video a second or two before the actual end of the video. We implemented a “good enough” feature to video watching to account for this - basically if they watch more than 95% or so of the video it counts as full credit, but depending on the length of the video, this can sometimes still have a video registered as not completed by enough to mark the tile as not fully completed. This, in turn, can cause students to lose their minds as they try to assure their instructor that they watched everything fully and did everyone on the page, but can’t get full credit.