

Combine Multiple Tech Tools to Create an Interactive Online Classroom

Preparation:

Step 1. Select a meeting app.

Purchase and download a video conferencing app that accommodates the length of your class meeting and number of students in your group. Zoom is recommended: <https://zoom.us/pricing>

Step 2. Select an annotation tool (for those without a touch screen computer).

An iPad can be paired with your computer to give you touch screen technology.

Download the Doceri app on your computer and on your iPad:

<https://doceri.com/download.php>

Step 3. Order a document camera (or use a phone holder and pair your phone with the computer).

IPEVO products are recommended:

https://www.amazon.com/gp/product/B079DLTG9F?pf_rd_r=X1V5NJYN905FF7D2ENNB&pf_rd_p=ab873d20-a0ca-439b-ac45-cd78f07a84d8

Step 4. Turn your computer desktop into a dry erase board.

Zoom gives your students the ability to annotate over your presentation from their phone (Doceri provides the most convenient annotation tool for instructors).

Provide “board” space by downloading the following image and selecting it as your desktop background:

<https://nebula.wsimg.com/ce79e48c52149907021fbc0f60adf4db?AccessKeyId=2FDAD2B87450CB38B630&disposition=0&alloworigin=1>

Class Meeting Procedure:

Step 1. Open the Doceri app on your computer. A QR code will appear on your desktop. Open the Doceri app on your iPad. Wave the iPad camera in front of the QR code to pair your computer with the iPad. Once you are ready to annotate (during the meeting), click on the pen icon on your iPad to enter drawing mode. Pen features will appear. Select a pen color and the 2 point font size.

Step 2. Open Zoom, click on “new meeting”, click on “join with computer audio”, click on “invite”, click on “Email”, choose your email service, and insert class members’ email addresses. Zoom will send a link to your students. A live feed from each student will appear on your desktop once students follow the link.

Step 3. Select the green “Share Screen” icon in the lower center of the Zoom window. Click on “Share”. This allows all class members to view your desktop and any of your open documents.

Step 4. Connect the document camera and open the app. Opening the document camera before initiating the meeting will distort the video feed. The document camera video feed will replace your live feed (you will not be able to use your computer camera while the document camera is in use).

How to Incorporate Student Presentations:

Step 1. Provide unique homework assignments for each class member (workbooks from the [*Lyric Diction Workbook Series*](#) contain 12 assignments in each unit).

Step 2. Have students take a picture of their completed homework and email it to you before the class meeting. Do not grade the homework. Download the images on your computer to open during the class meeting.

Step 3. Begin class by opening each student's homework image. Ask each student to sing their homework list for the group while you display the image. The student may make corrections to the image during their presentation by using the pen features in Zoom. The instructor may also make corrections using the Doceri app.

Step 4. Connect the document camera to your computer. Place your workbook beneath the document camera to introduce new material and complete an assignment together. Students are able to annotate over the document camera video feed displayed on your computer's desktop.