# MacBook Optional Hardwire Instructions for Teachers only

AirPlay to Apple TV (wireless projection) has been stable for many teachers, however for times when you may want to have a wired option (your Plan B or C), the following instructions will assist you.
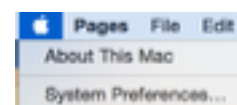
## HARDWARE:

1. Locate the "Thunderbolt" connector near the desk and plug it into the thunderbolt port on the right side of your MacBook.



2. Locate the audio cable and plug it into the left side of your MacBook.  It's a thinner cable with a "headphone" type of jack at the end. Plug it into the left side of your computer.



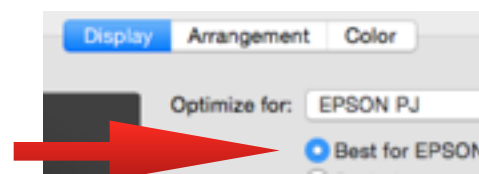## DISPLAY / PROJECTION SET UP:  One time set up

1. On your MacBook, select the Apple icon in the top left corner of your screen, then select System Preferences.
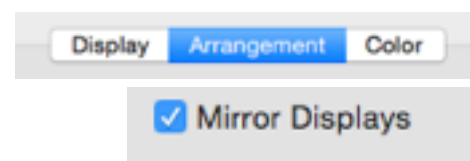


2. Select Displays



3. Be sure the Display tab has "*best for….*" selected (You must have completed steps 1 and 2 above for this default option to show up)
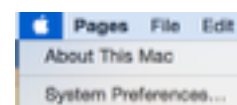


4. On the Arrangement tab, locate and be sure *Mirror Displays* is selected.  You will only need to do this once, the computer will remember when reconnecting.



## AUDIO SET UP: One time set up

1. On your MacBook, select the Apple icon in the top left corner of your screen, then select System Preferences.
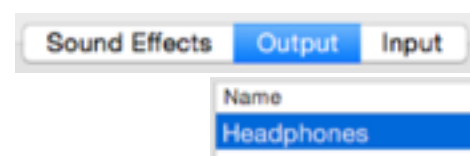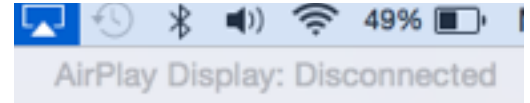


2. Select Displays



3. Select Sound



4. On the Output tab, locate and click on the Headphones option.

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## TO DO EVERY TIME PROJECTING:

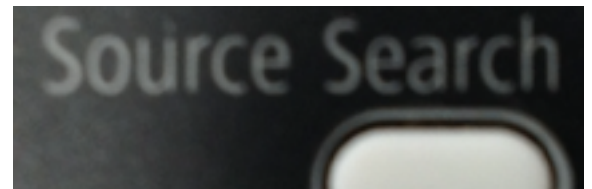1. Confirm you are **disconnected** from AirPlay.



2. Confirm the "Thunderbolt" connector is plugged into the thunderbolt port on the right side of your MacBook.
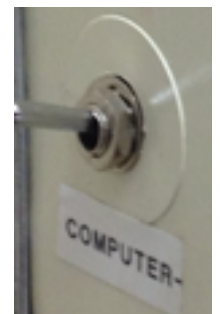


3. Confirm the audio cable is plugged it into the left side of your computer.



4. Use your **projector remote**, locate and press the *Source Search* button in order to display your screen on the SmartBoard or other surface. It should automatically stop at either Computer 1 or Computer 2. If it goes right back to the HDMI Apple TV default display, double check your hardware connections.



5. If you need to use the Audio, turn on the sound on by moving the switch up for the one labeled computer. When complete, turn the computer switch back down for off.



6. Adjusting the volume with the nob located on the same electrical box. Confirm the audio on your computer is turned up, either by the keyboard (fn key and F12 key) or via system preferences, sound.