

The Interdependency of In- Person, Online and Hybrid Piano Instructions

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List of Equipment

Basic Setup- Mobile Package-teacher or student

1. iPad or iPhone
2. Skype, FaceTime or Zoom
3. Built-in microphone and camera
4. Bose Sound Link Mini Bluetooth Speaker https://www.bose.com/products/speakers/wireless_speakers/soundlink_mini_ii.html?mc=K2861305#&v=soundlink_mini_ii_pearl

Enhanced Setup /Studio- teacher or student

More Elaborated- Items 1 to 6

Premium-Items 1 to10

1. Laptop or computer
2. Skype, Facetime, Google Hangouts, Zoom
3. Microphone condenser
 - Blue Microphone Snowball Ice Condenser
http://www.bluemic.com/snowball_ice/
 - Samson Meteorite USB Condensed Microphone
<http://www.samsontech.com/samson/products/microphones/usb-microphones/meteorite/>
 - Samson Go Mic Portable USB Condenser Microphone
<http://www.samsontech.com/samson/products/microphones/usb-microphones/gomic/>
 - Shure Motiv MV51 (computer , Iphone, Ipad)
<http://www.shure.com/americas/products/microphones/motiv/mv51-digital-large-diaphragm-condenser-microphone>
 - Samsom G Track USB Condenser <http://www.samsontech.com/samson/products/microphones/usb-microphones/gtrack/>
 - Zoom Recorder H4n
<https://www.zoom-na.com/products/field-video-recording/field-recording/zoom-h4n-handy-recorder>
 - Zoom Recorder Q2N-4K
<https://www.zoom-na.com/products/field-video-recording/video-recording/zoom-q2n-4k-handy-video-recorder#overview>
4. Speakers/ Sound System
 - Bose SoundLink Color Bluetooth Speaker II
https://www.bose.com/en_us/products/speakers/portable_speakers/soundlink-color-bluetooth-speaker-ii.html#v=soundlink_color_ii_black

- Samsung HW-J355 Sound bar and Subwoofer
<http://www.samsung.com/us/video/home-audio/HW-J355/ZA>
- Bose Sound Touch Stereo JC Series II Wi-Fi music system
https://www.bose.com/products/speakers/wireless_speakers/soundtouch-stereo-jc-series-ii-wi-fi-music-system.html

5. HD Webcams

- 2021 Depstech Hd 8MP Sony Sensor Autofocus Webcam (4K)
https://www.amazon.com/dp/B08ZXNDNYQ/ref=cm_sw_r_oth_api_glt_fabc_dl_8QBHS7Q1QMTGSPKJR4A
- Logitech HD Pro Webcam C920, 1080p
<http://www.logitech.com/en-us/product/hd-pro-webcam-c920>
- Logitech Broadcaster Wi-Fi Webcam
<http://support.logitech.com/product/broadcaster-wifi-webcam>
- Zoom Q8- HD Video/ Four Track Audio Recording
<https://www.zoom.co.jp/products/field-video-recording/video-recording/zoom-q8>
- Zoom Recorder Q2N-4K
<https://www.zoom-na.com/products/field-video-recording/video-recording/zoom-q2n-4k-handly-video-recorder#overview>

6. Accessories: Cables, Stands (webcam, iPhone, iPad)

- USB extension chord
http://www.amazon.com/AmazonBasics-Extension-Cable--Male--Female/dp/B001TH7GUU/ref=sr_1_1?ie=UTF8&qid=1436354682&sr=8-1&keywords=usb+extension+chord
- Power Hub
https://www.amazon.com/Splitter-Charging-Individual-Switches-Extension/dp/B07G8CMR18/ref=sr_1_3?dchild=1&keywords=power+hub+usb+mac&qid=1600408640&sr=8-3
- HDMI Cable & Extension chord
https://www.amazon.com/AmazonBasics-High-Speed-Female-Extension-Cable/dp/B01D5H91KE/ref=sr_1_3?crd=8LFGOXMEF6JS&dchild=1&keywords=hDMI+extension+cable+10+ft&qid=1584426441&s=electronics&prefix=hDMI+cable+and+extension%2Celectronics%2C189&sr=1-3
- Webcam stand
https://www.amazon.com/AmazonBasics-Lightweight-Tripod-Bag-4-Pack/dp/B07GWYVLN6/ref=sxin_2_ac_d_pm?ac_md=4-2-QWJvdmUgJDUw-ac_d_pm&crd=1QIDZX3IJGXF&cv_ct_cx=webcam+tripod&dchild=1&keywords=webcam+tripod&pd_rd_i=B07GWYVLN6&pd_rd_r=59a4aa3f-da57-4864-908e-1a1e326061bc&pd_rd_w=8Pkk&pd_rd_wg=EYWyo&pf_rd_p=0e223c60-bcf8-4663-98f3-da892fbd4372&pf_rd_r=FTS4M0J3DTGXWZYRVJ1X&psc=1&qid=1584426786&s=electronics&prefix=webcam+%2Celectronics%2C185
- Over Camera Stand (Microphone stand+ adapter)
https://www.amazon.com/AmazonBasics-Tripod-Boom-Microphone-Stand/dp/B019NY2PKG/ref=sr_1_1_sspa?dchild=1&keywords=microphone+stand&qid=1584426683&s=electronics&sr=1-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzUEpDTlpSNzdTMVc1JmVuY3J5cHRIZEikPUeWmZA2NDg5MkRZSkIFU0NHMzBQUyZlbnNyeXB0ZWRBZEikPUeWmZM1MTUxUTRQNTRTQThFUJaJndpZGdlde5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWNOJmRvTm90TG9nQ2xpY2s9dHJlZQ==
<https://www.amazon.com/dp/B001GWCC4I?tag=squarespace0a-20&linkCode=osi&th=1&psc=1>

- iPad and iPhone Tripod stand
https://www.amazon.com/MOREVON-Lightweight-Aluminum-Universal-Smartphone/dp/B07Y73VRJT/ref=sr_1_5?crid=3B666JR873KWY&dchild=1&keywords=ipad+tripod+stand+for+video+recording&qid=1584427161&s=electronics&prefix=ipad+tripod+%2Celectronics%2C183&sr=1-5
- iPad adapter for tripod
https://www.amazon.com/Adapter-Universal-Microsoft-Surface-Tabletop/dp/B00Y4FF1OM/ref=sr_1_3?crid=LITVFD6035DA&dchild=1&keywords=ipod+adapter+for+tripod&qid=1584427319&s=electronics&prefix=iPad+adapter+%2Celectronics%2C184&sr=1-3
- iPhone adapter for tripod
https://www.amazon.com/Vastar-Universal-Smartphone-Horizontal-Adjustable/dp/B01L3B5PBI/ref=sr_1_3?crid=3B1AUHGC7KKPU&dchild=1&keywords=iphone+adapter+for+tripod&qid=1584427427&s=electronics&prefix=iPhone+adapter+%2Celectronics%2C182&sr=1-3

7. Monitors and Projectors

- Smart TV
- Larger Computer monitor
- Nebula Capsule Projector
<https://www.seenebula.com/products/variant/capsule-projector/D4111111>
- Nebula Mars II Projector
<https://www.seenebula.com/products/variant/mars-ii-pro/D2323111>

8. Multiple Cameras

- VidBlaster <http://vidblaster.com/>
- ManyCam <https://manycam.com/mobile/#home>
- OBS Studio <https://obsproject.com/>

9. Score annotation

- iPad
- ForScore App- <https://forscore.co>
- SuperScore- <https://timewarptech.com/shop/music-software-apps/software/superscore/>

10. Bluetooth Page Turners

- Donner Wireless Page Turner
https://www.amazon.com/Donner-Bluetooth-Turner-Tablets-Rechargeable/dp/B06XNW9LRP/ref=sr_1_1?dchild=1&keywords=donner+bluetooth+pedal&qid=1584428877&s=electronics&sr=1-1
- Page Flip- <http://www.pageflip.com/pageflipCicada.html>
- Air Turn- <http://store.airturn.com/airturn-duo/>

Important Considerations

- Internet connection- wired vs Wi-Fi
Speed test- www.speedtest.net
PS- It is recommended that the download and upload speed be at least 10Mbps.
- Lighting
- Echo, external noises

Connecting Pianos Through the Internet

Internet MIDI- www.timewarptech.com

Demonstration Online Performance- <https://www.youtube.com/watch?v=ybD8YvXCnGk>

Connects MIDI instruments (technology-equipped pianos) over the internet

Virtually playing each other's instrument

Available for Mac & Windows

Visual Communication

- One screen: multiple views/angles
- Visual aspect when playing the piano:
 - Score
 - Piano
 - Relation between the body and the piano

Virtual Cameras

- Many Cam (Paid)- www.manycam.com
- OBS Studio (Free)- www.obsproject.com

Important Apps

- Score Annotation: ForScore- <https://forscore.co/>
- iPad and iPhone Screen share:
 - Airserver- <https://www.airserver.com/>
 - Reflector Teacher- <https://www.airsquirlrels.com/reflector/teacher>
- Classroom Maestro- <https://timewarptech.com/>
- Changing Scenes through the iPhone or iPad
 - Stream Deck- <https://www.elgato.com/en/stream-deck>

Contact

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