VIDEO 101

At Fayetteville Public Library
Class Topics:
1. Cameras
2. Lights
3. Audio
4. Video Switcher
5. Green Screen Usage
6. Recording
Meet the Cameras!
Press "Focus" button twice for focus assist.
Camera Control

- Located in Production room, next to the switcher
- Controls the gain, white balance, iris, and more of the selected camera
How to use the camera
Zooming

Zoom speed knob
Focusing
The Tripod
Tripod
Tripod

Orange Tab
Tripod
Tripod

Pan

Tilt
Lighting
Keyboard Shortcuts:
"A": @
"T": Thru
"O": Out (turn all lights off)
F9: Brings up and Minimizes menu
F1: Live mode
F2: Blind mode
F3: changes the light channels shown on screen
F4: Toggles
Labels of light channel(s) controlling

Faders control intensity of lights
Switch between group and individual control
Standing Lights

Note: All Lights in Video Studio are 5600K
Audio
Using the Audio Console aka Mixer
Audio Notes:

1. Power button on back right lower corner
2. The center screen is a touch screen
3. The faders are labeled according to the Wall Plate's letters and numbers – Make sure you are on fader layer “A”

Order of Operations:
1. Select the channel – The green button labeled "Sel" located under the "Mute" button selects the channel you are working on.
2. Phantom power – first one, last off. Labeled on the touch screen as "48V“ (Lavs and shotguns need PP.)
3. Gain – either the knob labeled "Preamp" or select the box labeled "Gain" on the touch screen and use the knob to the lower right of the screen. Look at the signal on the touch screen that channel is receiving
4. Unmute – Under the channel label, press the button labeled "Mute". The red light indicates the channel is muted
5. Fader – Raise the fader up until you see the signal to the right of the touch screen at the appropriate level.
6. Turning off – work backwards. Turn channel fader(s) down, mute the channel(s), zero out gain, turn off phantom power, and delected the "Sel" button.

Make sure that the Main, or LR, fader to the right is also set at 0. That controls all the audio as a whole to your recordings.
Both microphones are condenser mics which require 48v “phantom power”
Mic Placements

Like this

Like this

Like this
Best Lav Placement

Roughly a hand span from the chin
The Video Switcher
Using our Switcher

Not as scary as it looks.

- Buttons
- Keying
Using the Green Screen
ATEM Software Control

- **Program**: CAM1, CAM2, CAM3, CAM4, CAM5, BLK, COL1, COL2, CAM6, CAM7, CAM8, BARS, MP1, MP2
- **Next Transition**: ON AIR, ON AIR, KEY 1, KEY 2, KEY 3, KEY 4, BKGD
- **Transition Style**: MIX, DIP, WIPE, STING, DVE
- **Preview**: CAM1, CAM2, CAM3, CAM4, CAM5, BLK, COL1, COL2, CAM6, CAM7, CAM8, BARS, MP1, MP2
- **DSK 1, DSK 2**: TIE, TIE, Rate 1:00, Rate 1:00
- **Color Generators**: Upstream Key 1
- **Transitions**: None
- **Downstream Keys**: None
- **Fade to Black**: None
Recording
Hyperdeck

- Timecode Synced
- Records on SSD or SD cards
Hyperdeck

- Timecode Synced
- Records on SSD or SD cards
Additional Help and Information

- **The Shot List** - a playlist covering an array of topics such as framing, shot angles, lighting, etc.
- **Allen & Heath SQ5** – a playlist covering information the audio console
- **Micing** – video displaying ways to hid a lav microphone on a person
- **BlackMagic Switcher** – video covering BlackMagic ATEM studio switchers topics
- **Keying** – video demonstrating a simple & quick chroma keying for green screen
- **Cable Wrapping** – video demonstrating the Over-Under method of wrapping cables

- **Camera & Tripods**
- **Lighting**
- **Audio**
- **Switcher**
- **Green Screen**
- **Recording**