VIDEO 101
At Fayetteville Public Library
Meet the camera.

1. Blackmagic Studio Camera
2. Blackmagic Micro Studio Camera
1. **Blackmagic Studio Camera**
   1. **Most important buttons**
      1. **Menu** (accesses settings; keep in mind light and color settings are overridden by control panel in control room)
      2. **Focus**
      3. **PTT** (push to talk for headset)
      4. **Menu navigation**
   2. **Blackmagic Micro Studio Camera**
      1. **No viewfinder**—communication is key
      2. **Light and color managed in control room**
Focus works perpendicular to the camera, when someone steps forward or backward, they come out of focus.
Either use focus button on screen to auto-focus (tap once), or use the two focus buttons underneath righthand attachment

-Auto focus does not track, use handle buttons for tracking by hand
Different lenses focus differently—the longer the lens, the narrower the focus; shorter lens, wider range of focus (in general, not always true for every lens)
Aperture

Corresponds to f-stop—higher number, smaller opening and vice versa
Controls the amount of light that comes into the camera
Controlled in the control room, along with gain/iso which you can find in the menu
In what situations would this be useful?
Color temperature on a scale of orange to blue
- blue is cool light, high K temp
- orange is warm light, lower K temp
- lens color temp can match environment
  - set light temp higher than temp of lens to make picture appear cool
  - set light temp lower than temp of lens to make picture appear warm
Look at this graph
Color temperature alone doesn’t always get it right. You can further adjust white balance on a scale of green to pink—usually in post-production software. Control panel controls RGB (red, green, blue) levels.
How to use the camera.
Zoom

Zoom using trigger on righthand attachment
T = Tight (zooming in)
W = Wide (zooming out)
Wide shots are used to establish location, show scale
Medium shots are used to show a character/model in their full glory
Close ups emphasize the emotion
Extreme close ups emphasize the facial expressions
Basic interview setup
- Over the shoulder shots used when the second individual needs to be seen/heard
- For situations where interviewer is NOT meant to be seen or heard, set lens eye-level with subject, line up interviewer eye-level with lens
Remember 180 rule!
Stay on the same side of the conversation when you flip around to get the other subject.
Low angle looking up makes things look bigger, high angle looking down makes things look smaller
Dramatic diagonal (Dutch Angle)
Using the rule of thirds for framing
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Telephoto is great for things that are far away and for more narrow focus
Wide angle is great for landscapes
Fisheye is great for album covers and other artsy pictures
We have 2 zoom lenses (baby telephoto lens) and 2 wide angle lenses

Watch this video about lenses for more!
Tripods

Do not be intimidated by all the knobs.

Watch this: https://youtu.be/7vLtMR2VH8c
Meet the lights.
3-point lighting makes subjects look 3D on camera
- Back light for head and shoulders
- At least two lights at a V angle to the face
- Key light is the main light hitting the face
- Fill light fills out the other side
Diffusion spreads out the light
Bounce bounces the light off of a surface and onto the subject
Gels warm or cool the lights or make things artsy
Watch this: https://youtu.be/4udHAOeq3oQ
It’s audio time.
If possible, to prevent hearing clothes rustling, keep the mic outside, but remain hidden. If you can’t, folding tape into a triangle fashion can help with the rustling of clothes.
Best Lav Placement

The Chest Area
Between the 2nd and 3rd button
Using the console

Let’s go

Watch this: https://youtu.be/JdqOdyiKVuA
What is switching?
This is a switcher.
Using our Switcher

Not as scary as it looks.

- Buttons
- Keying

Watch this for switcher use: https://youtu.be/On-u0nrR4_Y
Watch this for green screen use: https://youtu.be/W8xeIVOX1jU
Helpful Videos: https://www.youtube.com/watch?v=mYE3LSH2ZKY
Recording
You have three options:

Premiere Pro
Black Magic
Hyperdecks

Watch this: https://youtu.be/XpumHh5bl4I