

Video with Smartphones

Presented by the [LFS Learning Centre](#)

Notes: [wiki.ubc.ca/LFS:Workshops/Videomaking with Smartphones](http://wiki.ubc.ca/LFS:Workshops/Videomaking_with_Smartphones)

Thanks to TerreWEB, Guido Tölke & Julia Dordel

Video with Smartphones

1 Plan it!

2 Video capture

2.1 Equipment

2.2 Getting the best shot

2.3 What to capture

3 Video editing & sharing

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3.2 Creating a story

4 Permissions

4.1 Who and what can you photograph?

4.2 What can you publish?

4.3 Get permission

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5.2 Creative Commons

6 Sharing

6.1 Kaltura

6.2 YouTube

Video with Smartphones

Why use your phone for this?

Video with Smartphones

High def!

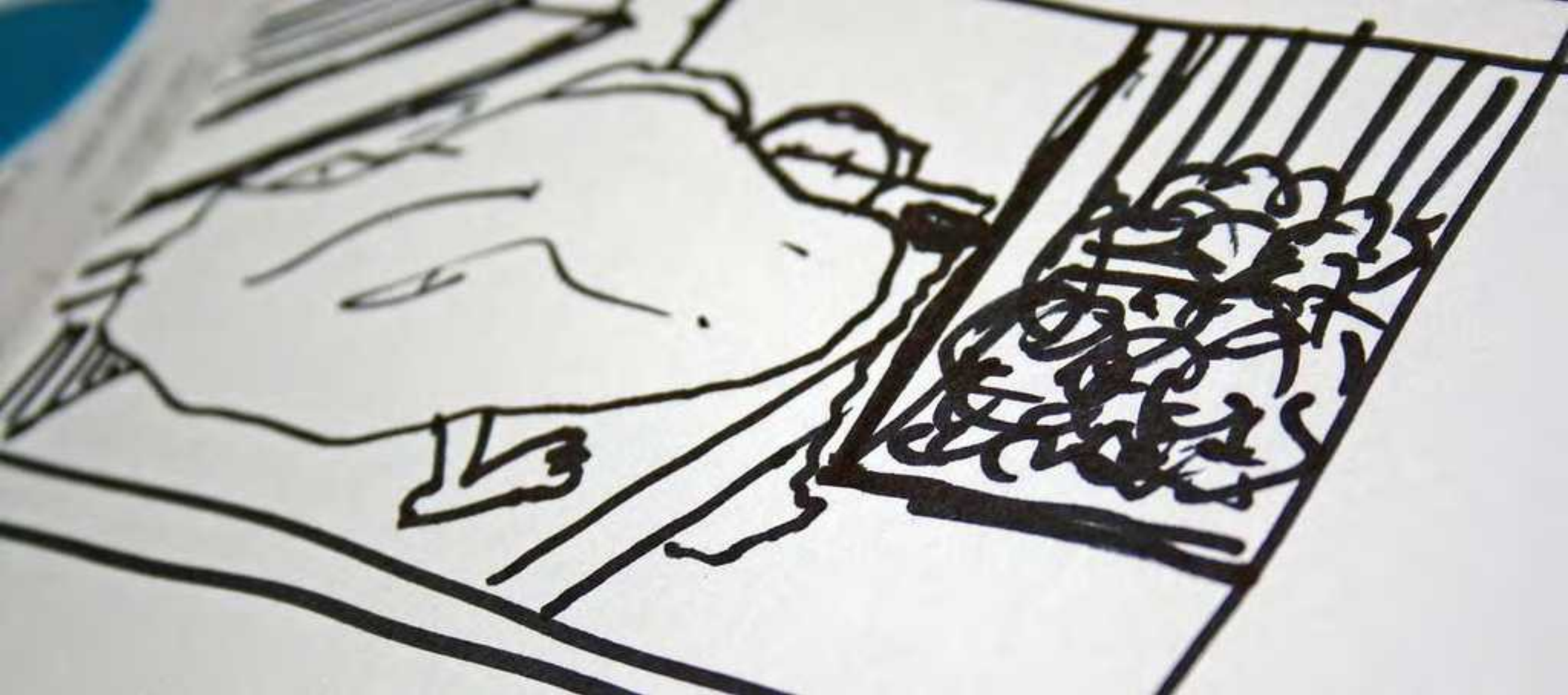
Portable!

Familiar!

Why use your phone for this?

Cheap & flexible!





Plan it: storyboards

Is it
a real
camera?



Is it a real camera?

REAL CAMERA

- Full HD up to 4k resolution (depending on your device)
- Framerates from 24fps to 240fps
- High quality data rates (depending on your app)
- External audio connection (via TRRS adapter)



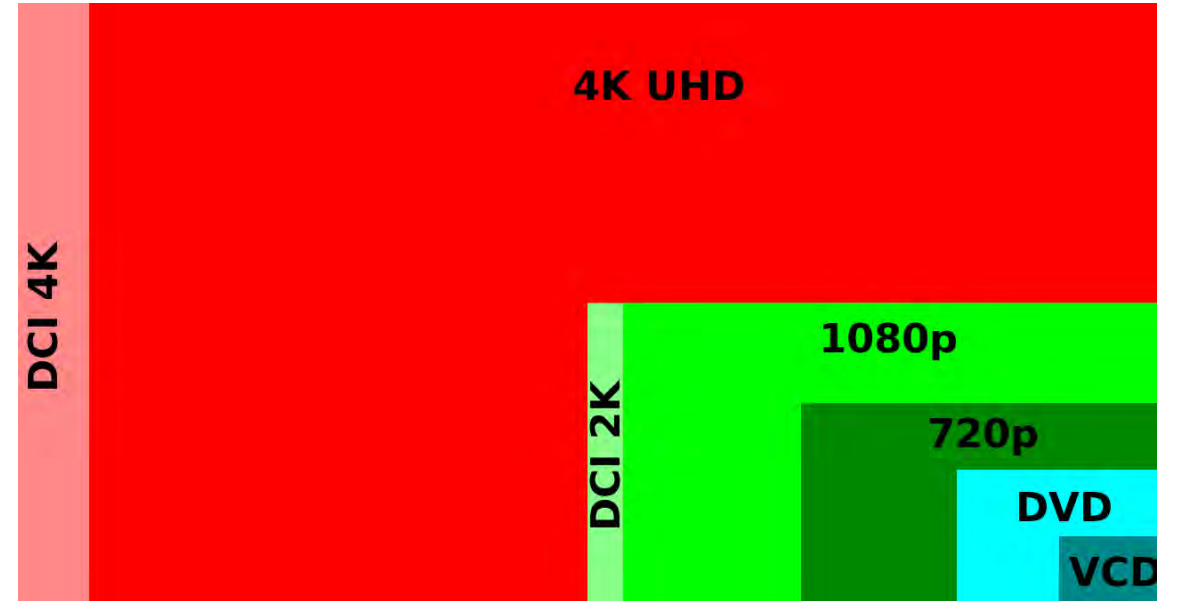
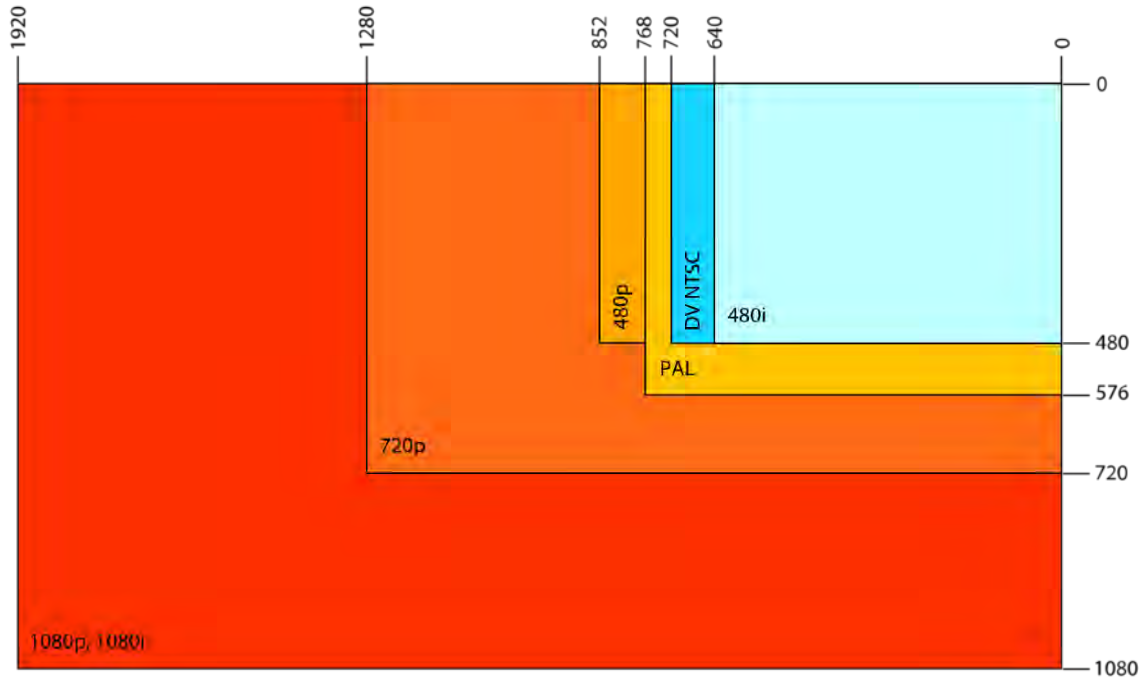
Is it a real camera?

WELL...NOT QUITE

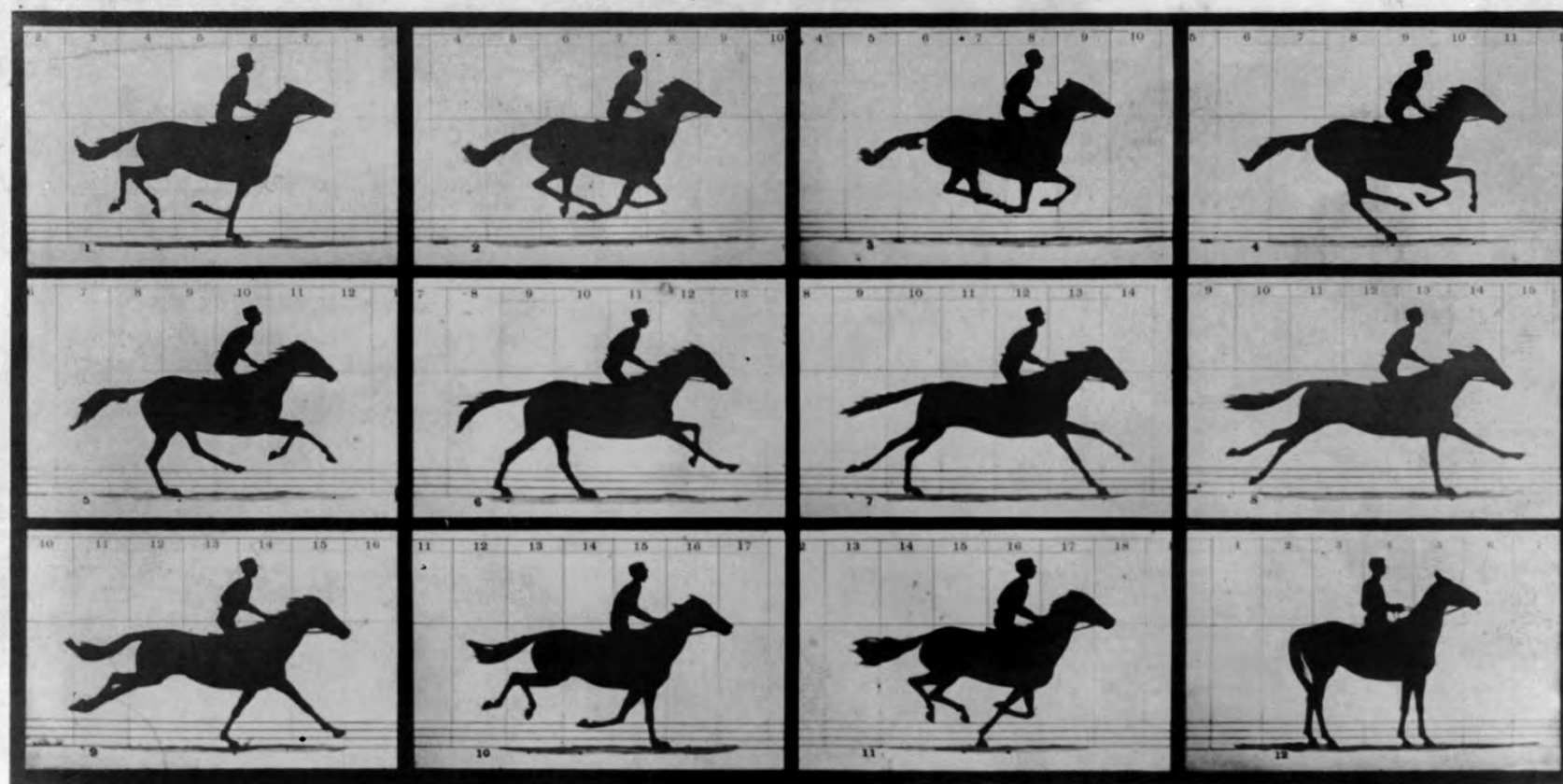
- Only one fixed lens, no optical zooming
- No interchangeable batteries
- No comfortable workflow
- No switchable memory card in the iPhone
- No tripod thread
- No viewfinder

Common resolutions (by pixel count)

1:1 PAR



HD vs 4k vs 360 vs ?



Copyright, 1878, by MUYBRIDGE.

MORSE'S Gallery, 417 Montgomery St., San Francisco.

THE HORSE IN MOTION.

Illustrated by
MUYBRIDGE.

AUTOMATIC ÉLECTRO-PHOTOGRAPHE

"SALLIE GARDNER," owned by LELAND STANFORD; running at a 1.40 gait over the Palo Alto track, 19th June, 1878.

The negatives of these photographs were made at intervals of twenty-seven inches of distance, and about the twenty-fifth part of a second of time; they illustrate consecutive positions assumed in each twenty-seven inches of progress during a single stride of the mare. The vertical lines were twenty-seven inches apart; the horizontal lines represent elevations of four inches each. The exposure of each negative was less than the two-thousandth part of a second.

24fps

30fps

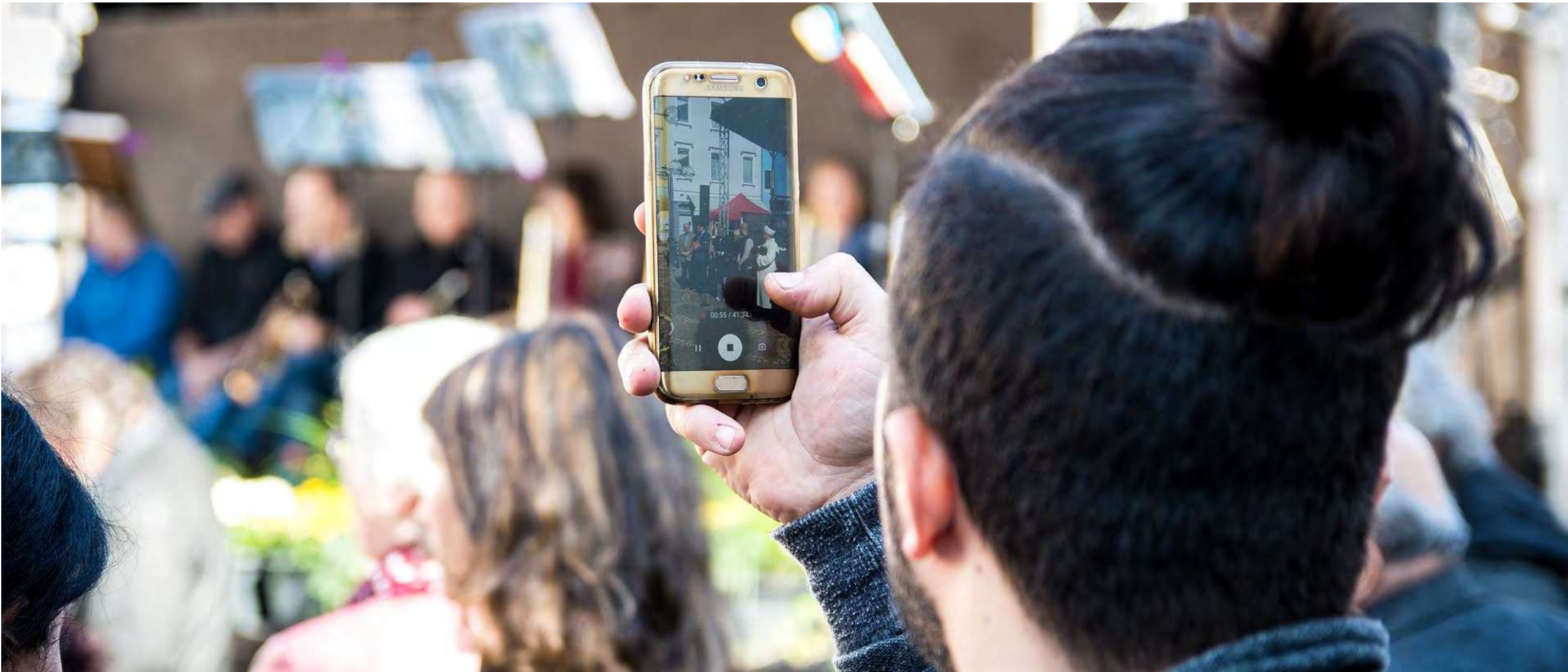
60fps

120fps

240fps

Do frame rates matter?

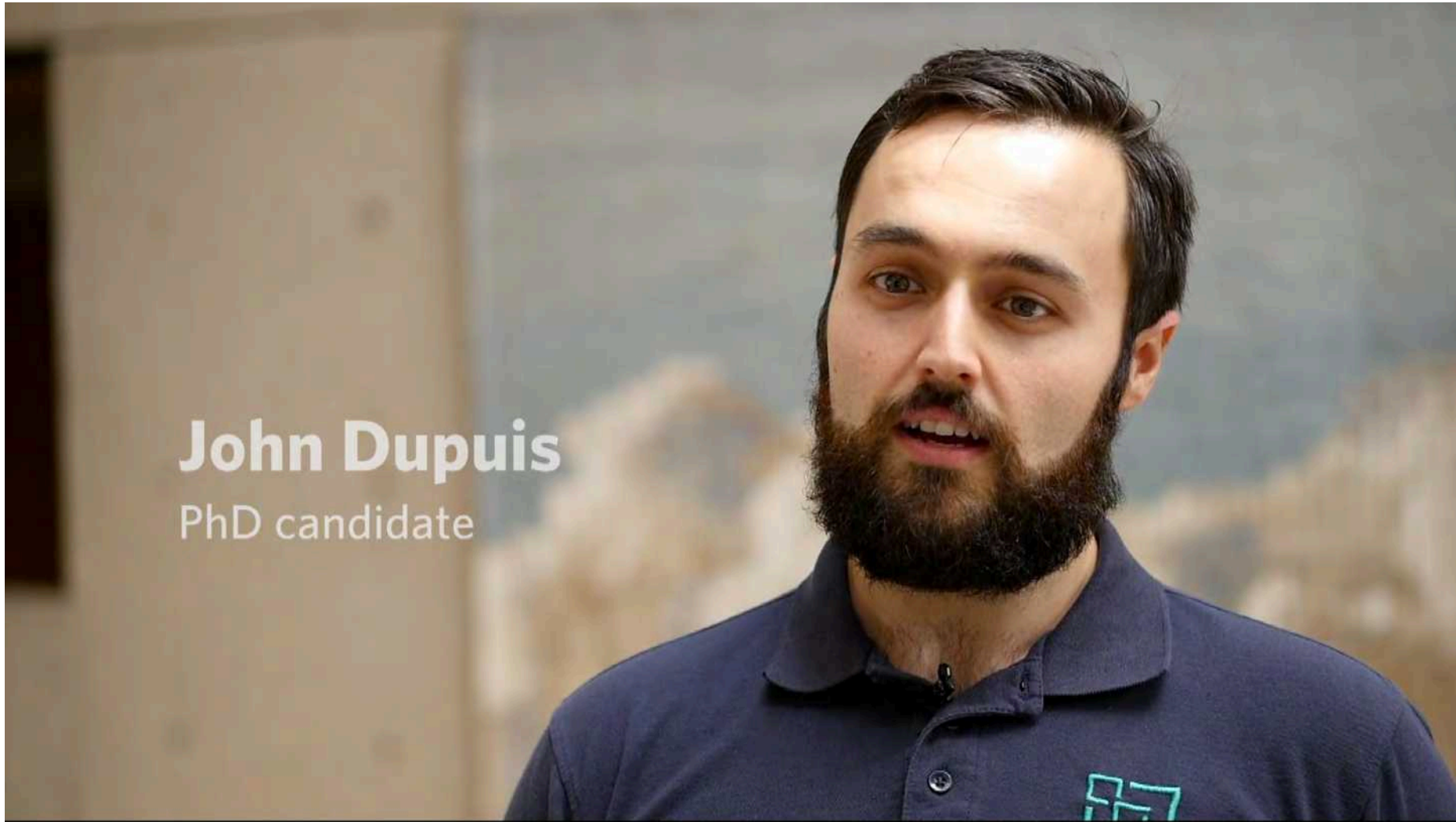
Smartphone production prep



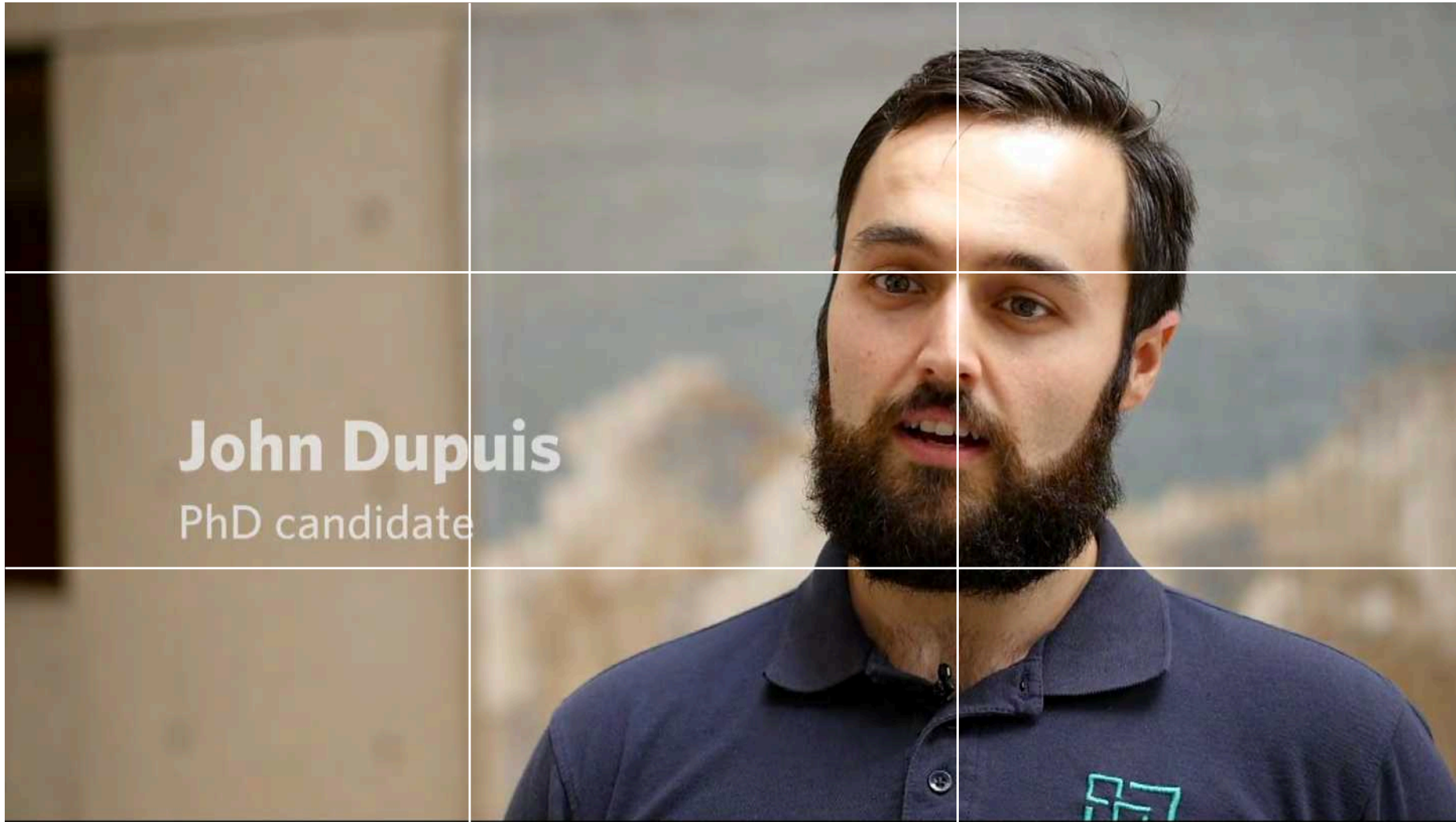
Smartphone production prep

- **Shoot horizontally not vertical**
 - Think of cinema and your eyeballs
- **Go into Airplane Mode**
 - Reduces audio interference & pings
 - Will prevent interruptions
- **Make sure to have enough memory and a full charge**
 - If necessary, delete older photos, videos, apps
 - Battery packs can be useful for old phones & long shoots
 - Budget 60MBs per minute for HD video (3.6GBs/hr)

Getting the best shot



Getting the best shot



Getting the best shot



Getting the best shot

Getting the best shot



BBC
NEWS

Think Of Your Background



SUBSCRIBE

Think Of Your Background

Bookcase Credibility
213 Tweets

Bookcase Credibility
@BCredibility

What you say is not as important as the bookcase behind you.

Joined April 2020

100 Following 73.4K Followers

Followed by kung flu kid, ABK 김명호, and 10 others you follow

Tweets Tweets & replies Media Likes

Bookcase Credibility @BCredibility

John Witherow wants us to ignore that a filing cabinet has sneaked up on him and focus on the background. But John, we want to say, there's a filing cabinet in your living room. It's right next to you. He asks can a bookcase give credibility in this situation. No, John. It can't.

Watch Sky News live

VIRUS PANDEMIC EDITOR, THE TIMES JOHN WITHEROW



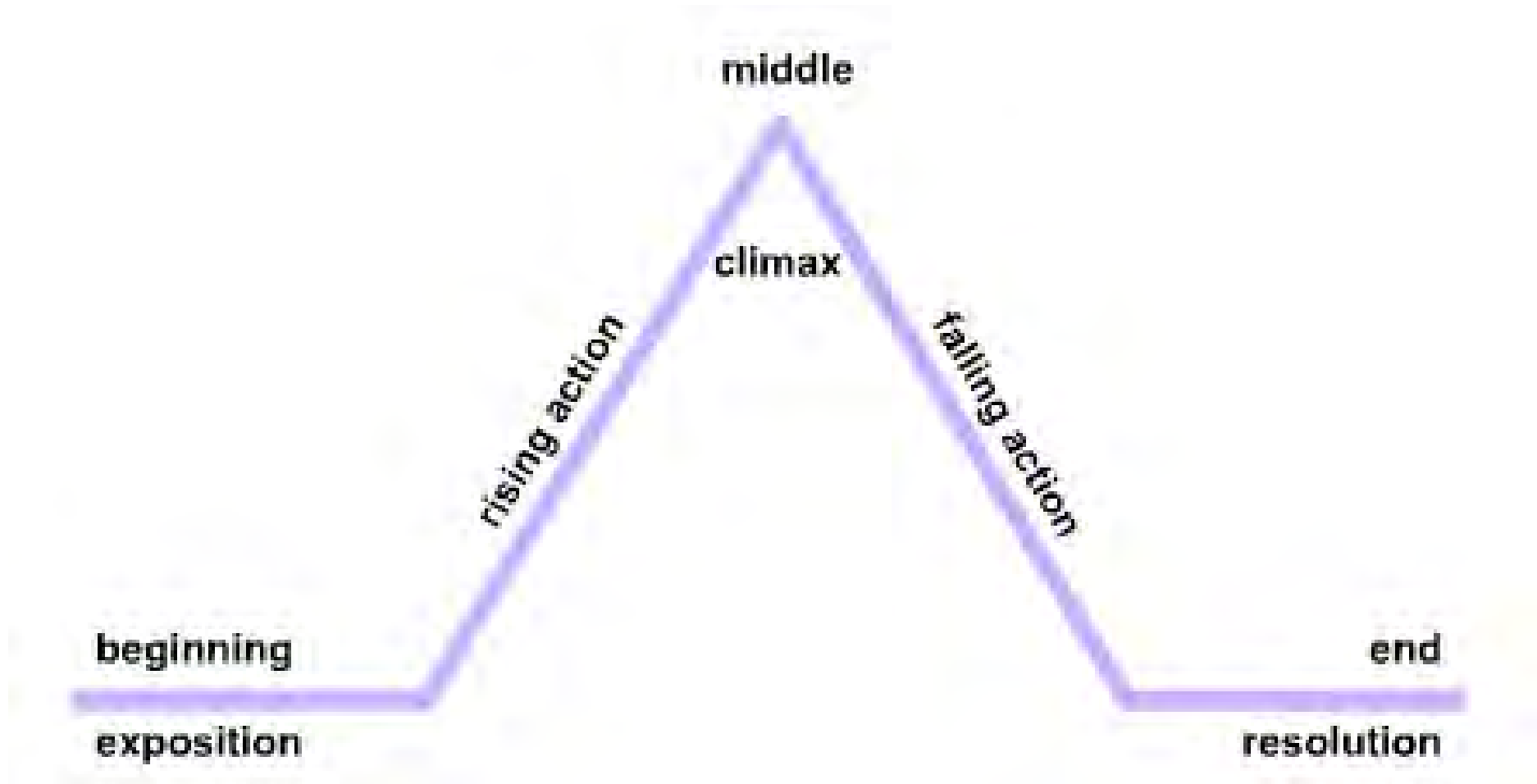
Getting the best sound

Getting the best sound

What to capture



Storytelling



Going beyond



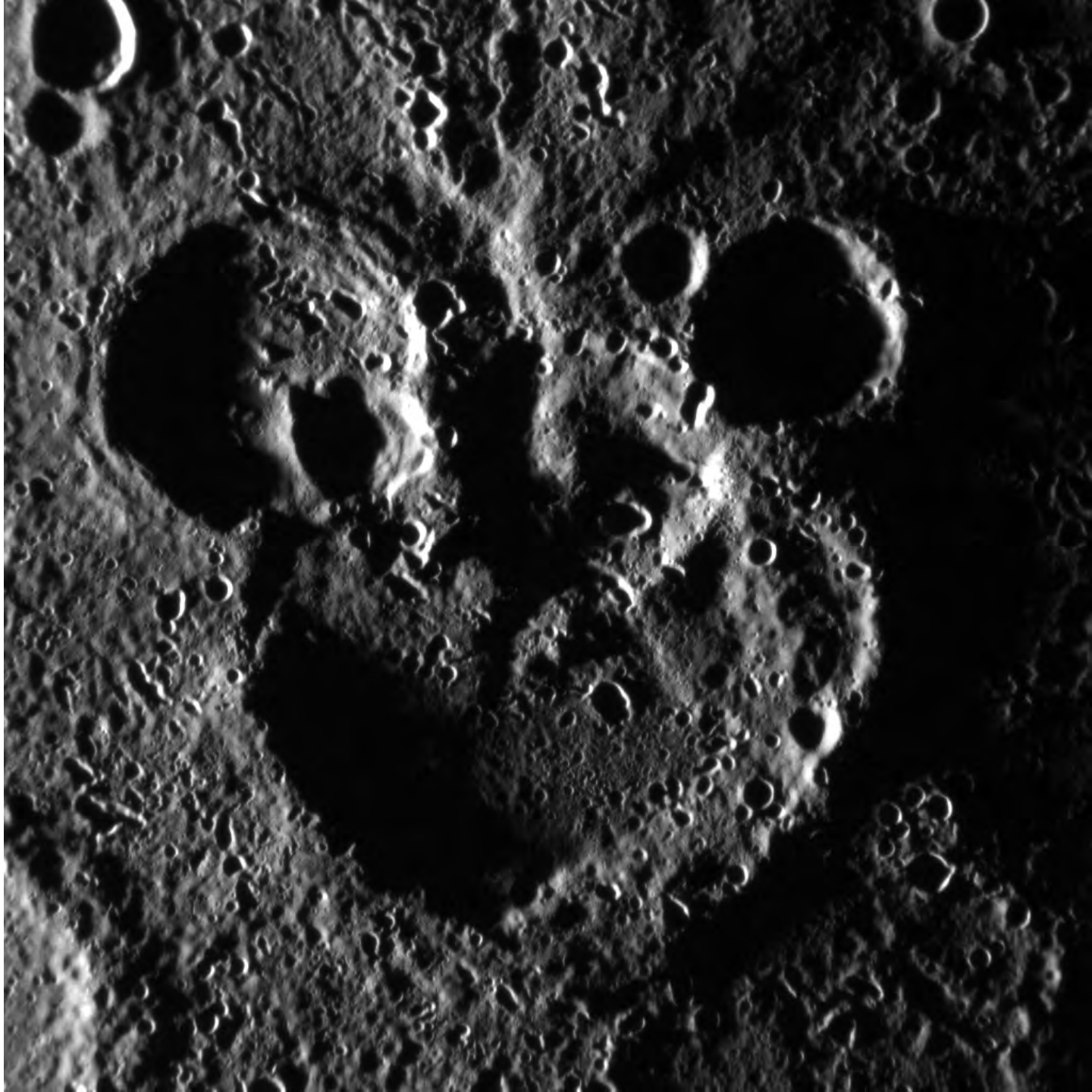
Editing programs





Permissions

Copyright



Sharing

- UBC
- Account
- Admin
- Dashboard
- Courses
- Groups
- Calendar
- Inbox
- History
- Commons
- Help

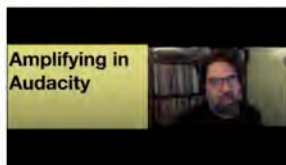
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LFS 400: Amplifying in Audacity

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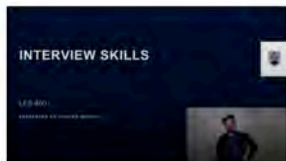
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Rickey Yada

Professor and Dean,
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Faculty of Land & Food Systeme...

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Learn more about our Action
Plan at
<https://www.landfood.ubc.ca/a-plan>

This Action Plan will be our
READ MORE

Back to School at LFS: Video Series ▶ PLAY ALL

This school year will look a little different than what we're used to, but our Faculty members are embracing the change and finding new ways to connect with you - wherever you might be!



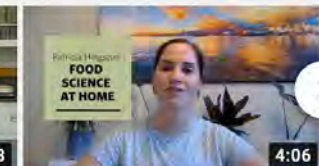
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Dirt

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Back to School: Food Science
at Home

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Duncan McHugh



Thanks!

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