

# Elemental analysis

Equipment p.2

Camera Angles p.14

# Elemental analysis: Equipment

# Pixel 4 XL

tirsdag 7. februar 2023 14:13



Photo: [https://www.kindpng.com/picc/m/109-1091525\\_google-pixel-4-xl-hd-png-download.png](https://www.kindpng.com/picc/m/109-1091525_google-pixel-4-xl-hd-png-download.png)

## Description:

A slightly out-of-date mobile phone from Google. Known for its good camera and easy customization because since it uses Android operating system.

## Pros:

- Very good camera

Review: A great phone, but its age makes battery life bad, and it no longer receiving updates makes it more risky to use.

## Cons:

- No longer receives software updates
- Old

# Pixel 7

tirsdag 7. februar 2023 14:13



Photo: <https://store.google.com/no/?hl=no>

## Description:

A, up-to-date phone from Google. Known for its good camera and easy customization because since it uses Android operating system.

## Pros:

- Very good camera
- Possibility for 4K film
- Very good phone otherwise

## Review:

I love this phone as a phone, and it has such a good camera that I don't need to have a separate video camera, I can just use the phone. The ProShot app allows the camera app to save to a different folder than the native camera app does.

## Cons:

- 4K video files are huge!
- Resist the temptation and just use 1080p

# Lenovo ThinkBook

tirsdag 7. februar 2023 14:13



Photo: <https://www.lenovo.com/no/no/laptops/thinkbook/thinkbook-series/Lenovo-ThinkBook-14-IML/p/XTBXTM8000>

## Description:

Powerful, yet budget friendly laptop. In my case with an Intel i5 10th gen processor.

## Pros:

- Powerful enough to edit and export HD video
- Very versatile, I can carry it with me wherever I need it

## Review:

I'm very satisfied with this laptop, the only drawback is having a small screen, innate to actually carryable laptops. But plugging in a monitor fixes this problem.

## Cons:

- Exporting 4K video does take a while, but 4K video is higher resolution than most YouTube tutorials really need.

# 1TB WD Elements Hard Drive

tirsdag 9. mai 2023 09:50



Photo: <https://www.westerndigital.com/products/portable-drives/wd-elements-portable-usb-3-0-hdd#WDBUZG0010BBK-WESN>

**Description:** A basic 1TB, spinning disk, external hard drive. Uses USB-B to connect to the laptop.

**Pros:**

- Lightweight and portable
- Quick response time
- Ample storage space, even for hours of 4K video

**Review:**

This piece of technology is crucial to have for editing video. These files are huge and you don't want them filling up an internal laptop hard drive!

**Cons:**

- A solid state drive would be more stable and less likely to break from a drop
- Must lay stable and not receive shocks while in operation to prevent damage.

# RØDE Vlogger Kit

tirsdag 31. januar 2023 16:08



Photo: <https://vloggerkits.rode.com>

## Description:

Lamp, external microphone, and stand for mobile phone. Designed to be used by vloggers to easily make videos wherever they are.

## Pros:

- Very easy to use
- Inexpensive

## Review:

I don't use any of these things besides the tripod for my H5 microphone to do the voiceovers. It was not enough of an improvement in quality to invest in it again, but better just to get the ring lamp right away.

## Cons:

- Too low quality to actually give useful footage for the cost
- Tripod doesn't extend
- Lamp is weak
- Microphone is low quality

# RØDE USB-C Microphone

tirsdag 7. februar 2023 14:13



Photo: <https://rode.com/en/microphones/mobile/vlogger-kit-usb-c?buyitnow=>

## Description:

Simple directional microphone that connects directly into the phone

## Pros:

- Easy to plug in
- Louder recordings

## Review:

Not very useful, I kept having to take my case off to put it on, and the sound quality wasn't any better, just louder. In the future I might use it for recording background noise and sounds of crafting, but no good for voiceovers.

## Cons:

- Sometimes need to change settings to use
- Doesn't always work with a case on
- Surprisingly poor audio quality.



# RØDE Phone Clamp

tirsdag 7. februar 2023 14:13



Photo: <https://rode.com/en/microphones/mobile/vlogger-kit-usb-c?buyitnow=>

## Description:

Phone clamp that works with most phones, even with a case on. Two mounting holes makes it easy to mount the phone in either landscape or portrait.

## Pros:

- Very good grip
- Easy to use
- Fits on to all smaller tripods and mounts that use 1/4" threads

Review: I love this high quality grip for my phone. I'm never worried it will slip out, and it makes it easy to mount to anything. It also feels very high quality.

## Cons:

- Can be hard to unscrew if screwed on too tightly
- Easy to accidentally clamp onto volume controls

# RØDE Mini-tripod

tirsdag 7. februar 2023 14:34



Photo: <https://rode.com/en/microphones/mobile/vlogger-kit-usb-c?buyitnow=>

## Description:

Small tripod with universal mounting screw. Used mostly to hold the Zoom H5 microphone for the voiceovers.

## Pros:

- Stable
- Collapsable and easy to store

## Review:

I never used it for filming, only for holding the H5 microphone during voiceovers. For the talking head segments I used the gorilla grip under the microphone.

## Cons:

- Short
- Height not adjustable

# Westcott 18" Ringlamp

tirsdag 7. februar 2023 14:13



Photo:

<https://www.foto.no/westcott/123221/westcott-led-ring-light-bi-color18-led-ringlyspakke-ø-45cm-3200-5600k>

## Description:

Ring-shaped LED lamp that lights evenly and brightly, with color temperature and brightness adjustments. The included stand makes it easy to position it around the loom.

<https://www.foto.no/westcott/123221/westcott-led-ring-light-bi-color18-led-ringlyspakke-ø-45cm-3200-5600k>

Review: Easily lighting the scene with a strong, even light that can be placed where needed changes the game. The cheap feel of the plastic casings and cheap screws make it seem not entirely worth the money.

## Pros:

- Lights evenly and easily
- Surprisingly cost effective since it comes with a stand

## Cons:

- Creates very visible catch lights in glasses
- Plastic casing and cheaply machined parts make it feel a bit cheap



-This set up creates very bold rings in my glasses

# Zoom H5 Microphone

tirsdag 7. februar 2023 14:13



Photo: <https://zoomcorp.com/en/us/handheld-recorders/handheld-recorders/h5/>

## Description:

Professional quality audio recorder. Sound is king in this world, and if you want people to have a good time while watching your videos they need to have good sound.

## Pros:

- Excellent sound quality
- Highly versatile with many input and output options

## Review:

While this was one of the larger investments for this project it was well worth it for the better sound quality, flexibility, and reliability

## Cons:

- Not designed for voiceovers
- Can be hard to remember to clap or snap for syncing to video
- Can be hard to keep files sorted
- One of the larger investments for this project

# Gorilla Grip Tripod

tirsdag 7. februar 2023 14:13



## Description:

Flexible mount for cameras, microphones, and other equipment. It can be bent and flexed around various objects like loom parts, chairs, and desk edges.

## Pros:

- Versatile
- Nearly universal mount
- Can be used in conjunction with the ring lamp stand

## Review:

I used this all the time for some of the harder to capture up-close shots. Since the height wasn't adjustable it was very difficult to get establishing, or wider-angle shots. Using this grip with the ring lamp stand made it easy to get all sorts of shots

## Cons:

- Height not adjustable
- Not always as grippy as you'd hoped

# Elemental analysis: Camera Angles

All photos taken by author, William Riedlinger

# Talking Head

tirsdag 31. januar 2023 16:08



## Description:

Talking directly into the camera for intro or outro. Both times looking to summarize what's being taught and introduce the next topic.

-Ring lamp is turned away from presenter and light bounced off back wall. A bouncing board may be necessary.

## Pros:

-This set up prevents bold reflections in by glasses

## Review:

-This technique was a very nice way of filming the talking head sections with good lighting

-Better yet is doing this on a bright, but overcast day, that way the window lets in as much light as possible, the ring lamp serves to even out the light.

## Cons:

-Soft natural light would be even better

# Over the shoulder

tirsdag 7. februar 2023 12:35



Description: Ringlamp and camera connected with a view of the hands of the weaver, shuttle and shafts. This provides a good view of the mechanism of the loom and how parts operate together. What it misses is the feet and how they interact with the loom.

Pros:  
Good visibility of the act of weaving

Review: The biggest issue here is being able to know what the shot will look like after filming. Often you move the camera when getting out of the loom.

Cons:  
Can't see feet and treadles  
Easy to block camera with shoulder



# Hanging from loom

tirsdag 7. februar 2023 13:41



## Description:

Using the loom itself as a frame for supporting the gorilla tripod the camera is on. Using the sides and crossbeams of the loom the camera can be mounted to view different angles and capture otherwise difficult to access angles if only using a tripod.

Review: While this seems like a good idea it can be hard to find angles that actually capture what you're trying to capture. Often it feels like the camera is at too high or awkward an angle for good filming.

## Pros:

Cheap and easy  
Interesting angles made possible  
Great for talking head segments while sitting at the loom.

## Cons:

Often slightly awkward angles  
Few truly useful angles

# Treadling

tirsdag 7. februar 2023 13:41



## Description:

A view of the treadles as they are being actuated. This angle shows the movement of the weaver's feet between the treadles. The goal of this angle is to make new weavers aware of how to easily navigate between treadles and how to use both feet to increase weaving speed and reduce mistakes.

Review: I wish I could get a higher angle on this shot. Maybe I just need to retake some shots using a different set-up

## Pros:

- Makes use of the loom's natural open construction while filming
- Shows clearly the movement of the feet

## Cons:

- Mirrored to a new weaver's movements
- A slightly awkward angle for the viewer

# Warping Mill angle 1

mandag 20. mars 2023 10:09



## Description:

A basic view of the warping mill in the corner of the room with the camera mounted to the ring lamp.

## Pros:

Easy angle to set up and set the camera at

## Review:

The shadows that result from this angle are not very pleasing and make the angle awkward. Separating the camera and light make for a better set up

## Cons:

Harsh shadows can result  
The angle of the light seems off

# Warping Mill angle 2

mandag 20. mars 2023 10:13



## Description:

Similar angle to before, this time moving the light to the left to create shadows that do not fall directly behind the objects being filmed, but to the right of them. Chair used as camera tripod.

## Pros:

- Better lighting
- More comfortable for the viewer

## Review:

More-or-less every camera angle could make this distinction, but by separating the light from the camera I can control much more precisely the look of the final shot.

## Cons:

- Using a chair means only one height for the camera
- The need for separate light and camera mounts

# Counting warp threads

mandag 20. mars 2023 10:23



## Description:

Both angles are trained on the cross pins of the warping mill. These angles are used to show how the warp threads are to be counted while on the mill. They also show

## Review:

The higher angle is the better of the two. The lower angle makes it too easy for hands to get in the way. The chair is the perfect height for this use.

## Pros:

- Easy to set up
- Separates camera and light

## Cons:

- Low angles can allow hands to block the action

# Rattle-reed angles 1 & 2

mandag 20. mars 2023 10:39



## Description:

Filming putting the warp into the rattle-reed. Again separating the light and the camera. This angle did involve moving a lot of furniture. The second angle is a close up version of the first, it also uses a microphone to pick up the sounds of this type of work.

## Review:

For this shot I wish I had had a dedicated camera tripod.

## Pros:

-Improved lighting by separating camera and light

## Cons:

-Low camera angle relative to object  
-Use of book as weights is distracting for the eye

# Rattle-reed angle 3

mandag 20. mars 2023 10:47



## Description:

This angle shows even more of what's going on during this process, even if it doesn't show it from the weaver's perspective. This type of angle allows a new weaver to understand what happening both behind and in front of the reed, this type of shot design provide greater understanding of the crafting process.

## Review:

I like this angle a lot, it gives a clear idea of what's going on during this process.

## Pros:

-Allows greater understanding

## Cons:

-Not from weaver's point of view

# Dressing the Loom

mandag 20. mars 2023 10:56



## Description:

Both angles are capturing the dressing of the loom. The one to the left showing the action going on in front of the loom, and the one on the right showing the action behind the loom. At the beginning of dressing most action is happening at the front of the loom. The latter part of dressing mostly takes place behind the loom, thus these camera angles are used at different times during the process.

## Review:

Even with the reduced control over the lighting by keeping the camera and light together I was able to get the angles (and height) I needed to capture the action. Again, I wish I had a dedicated camera tripod.

## Pros:

- Enough height to capture action
- Good lighting on the action
- Microphone also directed at action

## Cons:

- Light and camera together
- Poorly lit background



# Changing the cross

mandag 20. mars 2023 11:12



## Description:

Low camera angle for good view of changing the location of the cross. This angle is necessary so the viewer can have a clear view of what the threads look like as the sticks move about, and how to check for hanging threads.

## Pros:

-Good view of action

## Review:

The over-lighting of the foreground is very off-putting, but showing this critical transitional moment is necessary if the new weaver is going to get beyond this step.

## Cons:

-Overlit foreground  
-Underlit background

# Hanging weights

mandag 20. mars 2023 11:31



## Description:

This angle shows the water bottles as weights on the warp. In this particular image it's clear how much of a difference good access to natural lighting makes while filming videos like this.

## Pros:

-Clear view of the action

## Review:

This angle made it easy to work undisturbed (as it not needing to think about head and hands getting in the way of the camera).

## Cons:

-Light and camera together, reducing control over lighting.

# Threading, over shoulder

mandag 20. mars 2023 11:36



**Description:**  
Over the shoulder shot of threading the loom. Camera mounted in the lamp.

**Pros:**  
-Good overview of the action

**Review:** This angle provides a good view of the action of threading, as there's a number of objects interacting here. However the distance can make it hard to see clearly what's going on.

**Cons:**  
-Somewhat hard to see clearly the actions being performed

# Threading close up

mandag 20. mars 2023 12:01



## Description:

Two ways of getting closer to the action of threading the loom. In the top image the camera and lamp are separated, the camera making use of the loom frame to allow for better control of the lighting. The lower image allows viewers to see from the side of the action that is clearest.

## Pros:

- Improved lighting
- Clear view of the threading
- Correct angle of viewing

## Review:

This angle works well, but the weaver must be careful to not let their hands get in the way.

## Cons:

- Hands can easily get in the way
- Foreground and easily be overlit

# Tie down

mandag 20. mars 2023 12:24



## Description:

Using the body of the tripod to get an angle I couldn't if the camera was mounted in the ringlamp. This prevents the dramatic overlighting of the foreground by diffusing the light through the warp threads. This angle could have helped during filming of the moving of the lease sticks.

## Review:

A creative use of the mounting equipment I had at hand that solved problems with overlighting and camera placement.

## Pros:

- Isn't overlighting the foreground
- Captures the action of tying down the counter-march clearly

## Cons:

- Can be very difficult to reset to if you have to move the camera or light between shots
- Could have used a better close up solution for showing the tying of the knots

# Placing sticks, close up

mandag 20. mars 2023 12:36



**Description:**  
Low-standing camera mounted in ringlamp, lamp using battery power.

**Pros:**  
-Clear view of how the sticks to separate the fabric are to be placed.

**Review:**  
Because the sun was going down and the natural light disappearing it was quickly getting to dark to have balanced lighting between the foreground and background, giving this shot an eerie, paranormal feel.

**Cons:**  
-Overlit foreground