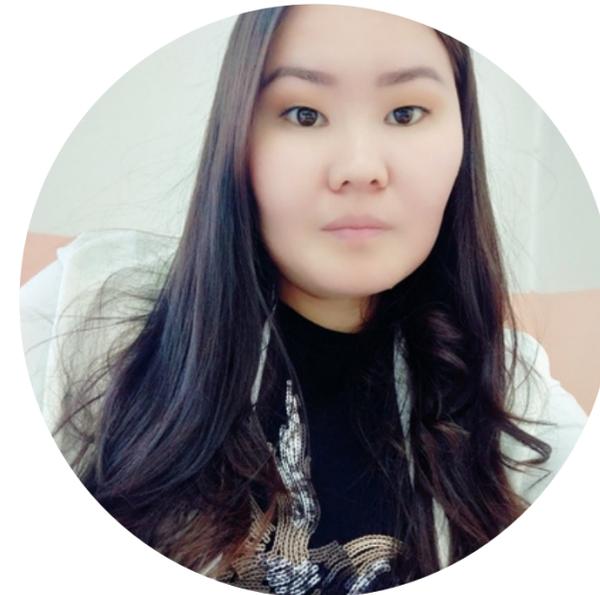




Video Lecture

MSc., Burul Shambetova



May 18, 2021

Z, Net or Always on





We have to give an opportunity to ALL INDIVIDUALS to LEARN ANYTIME and ANYWHERE with the support of ANY LECTURER through ANY DEVICE – computer, notebook, tablet, phablet, smartphone etc.

HiEdTech



Today's Agenda

- 1 Formats
- 2 Preliminary Preparations
- 3 Record
- 4 Interactive video in OCS

Multiply

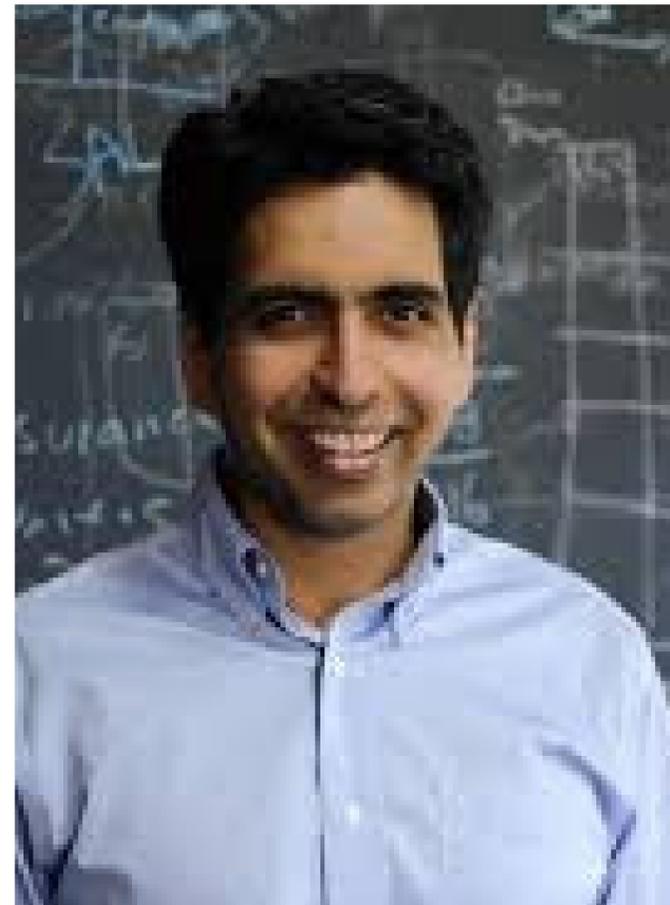
$$2 \times 3$$



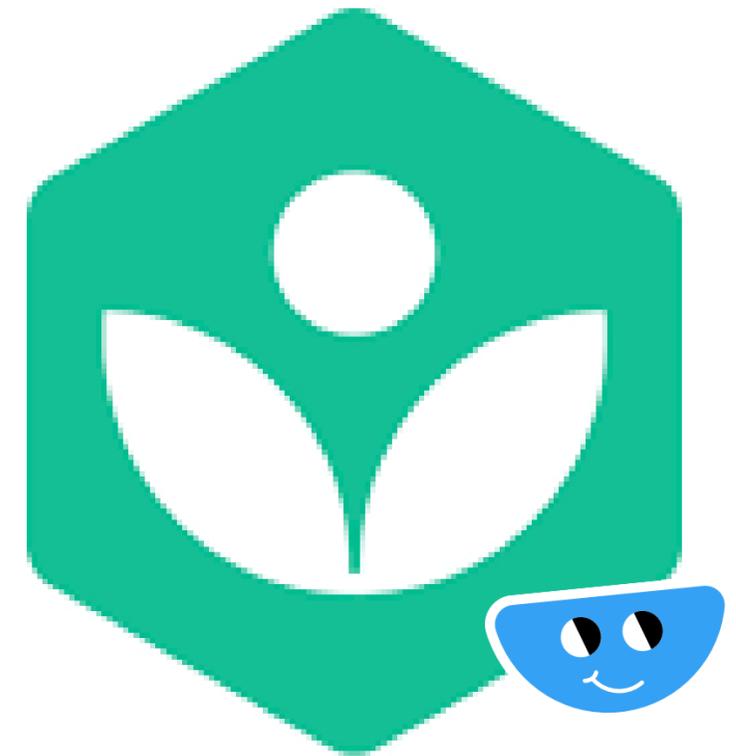
August, 2004 – Mathematics

2006 – Record and post in Youtube

2008 – Khan Academy



Salman Khan



Khan Academy

Formats



Lecture
Capture



Talking Head



Voice Over
Presentation



Interactive
Lecture



David MacKay

***The Information Theory, Pattern Recognition,
and Neural Networks Lecture Series***

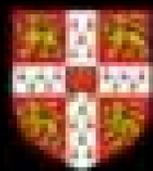
Lecture 12:

Approximating Probability Distributions (II):

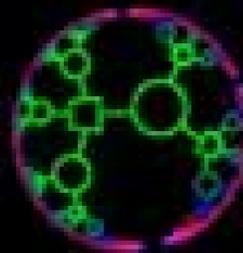
Monte Carlo Methods (I):

Importance Sampling, Rejection Sampling,

Gibbs Sampling, Metropolis Method



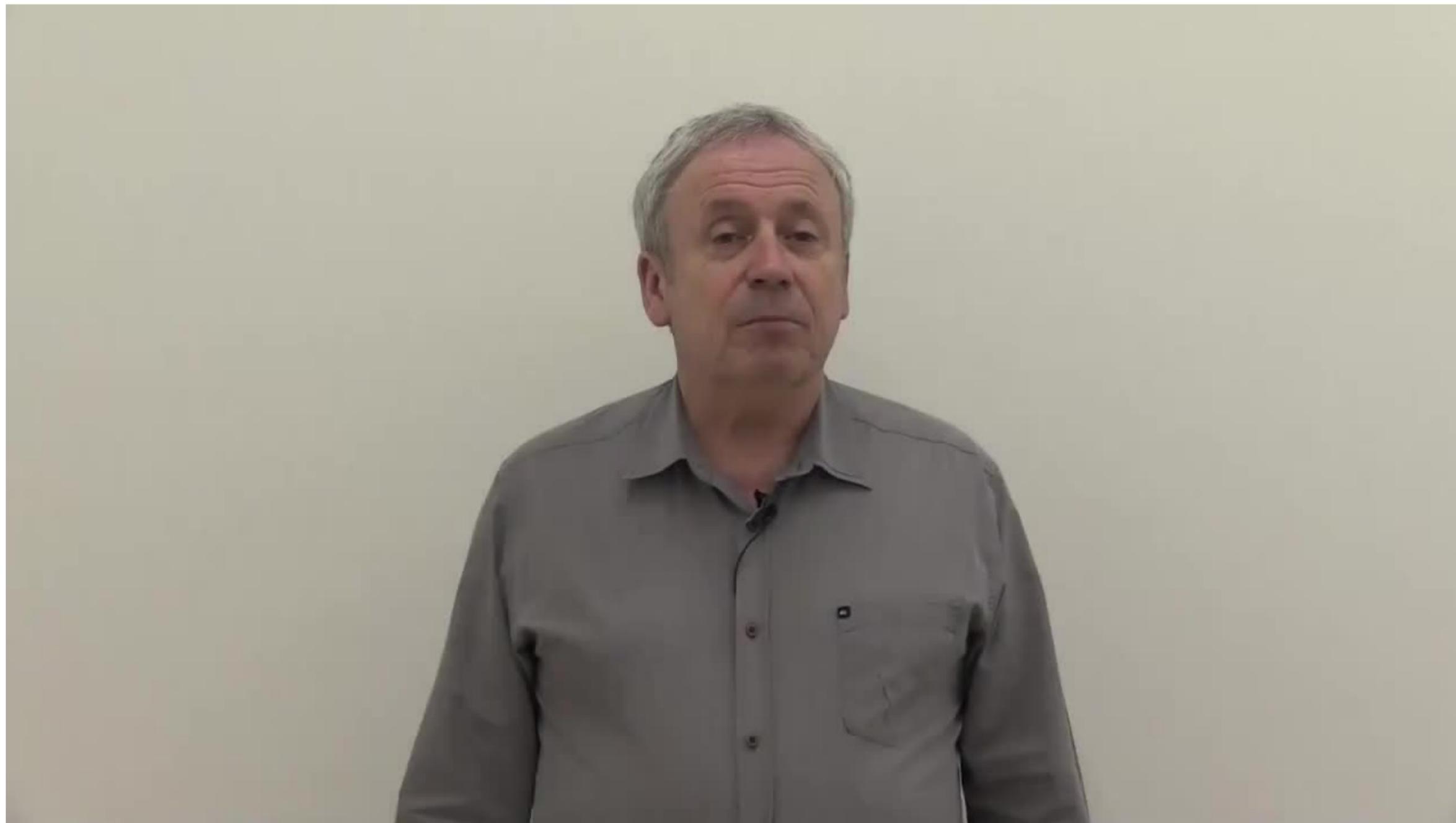
**UNIVERSITY OF
CAMBRIDGE**



**CAVENDISH LABORATORY
INFERENCE GROUP**

**Lecture
Capture**

**Talking
Head**



Voice Over Presentation

РУСЕНСКИ УНИВЕРСИТЕТ
<https://www.uni-ruse.bg/>



КАТЕДРА
КОМПЮТЪРНИ СИСТЕМИ И ТЕХНОЛОГИИ

ДИСЦИПЛИНА:
„ОРГАНИЗАЦИЯ НА КОМПЮТЪРА“



проф. д-р Ангел Смрикаров
ASmrikarov@uni-ruse.bg
0889 313 876

A yellow speech bubble with a tail pointing downwards and to the left, containing the text "Interactive Video Lecture".

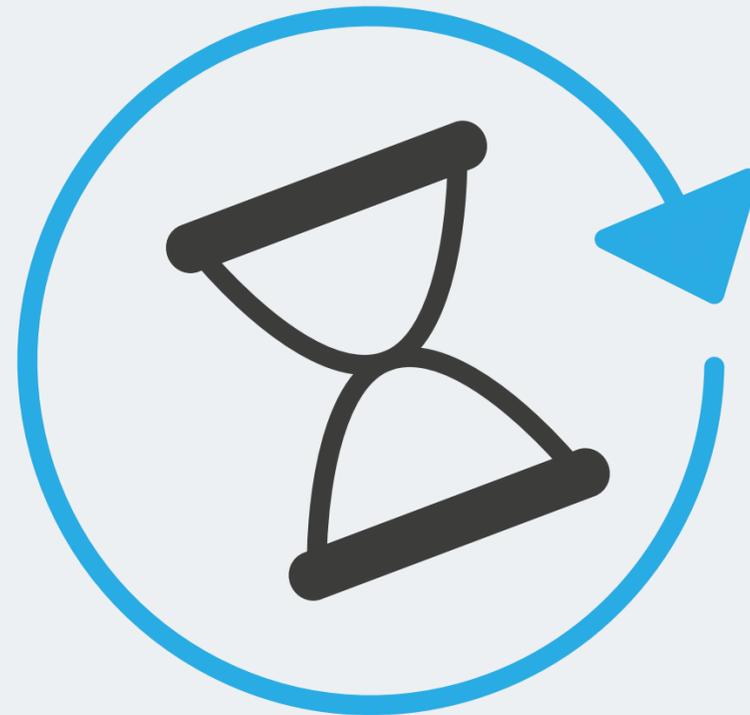
Interactive Video Lecture

Micro-lecture



Less than 1 minute

Mini-lecture



Less than 8 minutes

Video Lecture





Research

How video production affects student engagement: An empirical study of MOOC videos

how video production decisions affect student engagement in online educational videos.

data is used from 6.9 million video watching sessions across four courses on the edX MOOC platform.

Recommendations:

*Pre-planned -> plan lessons specifically for an online video format.

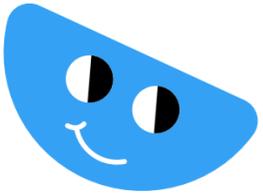
*Chunking -> segment videos into short chunks, ideally less than 6 minutes.

*Khan-style -> If slides or code must be displayed, add emphasis by sketching over the slides and code using a digital tablet.

*Personal feel -> Strive for one-on-one,

*Talking Head





Video versus live lecture courses: a comparative evaluation of lecture types and results

205 students



Preliminary preparations

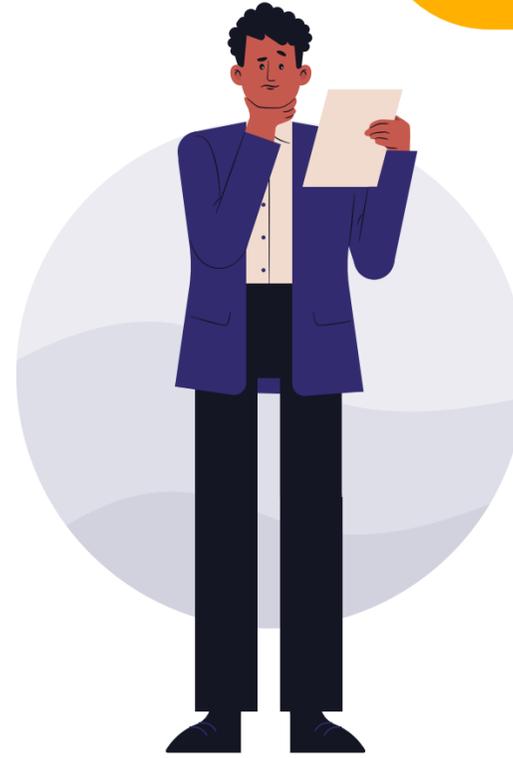
Are you ready?



Recording Tools

Actions to take:

- **Open Broadcaster Software**
- **Youtube**
- **ZOOM**
- **Canva**

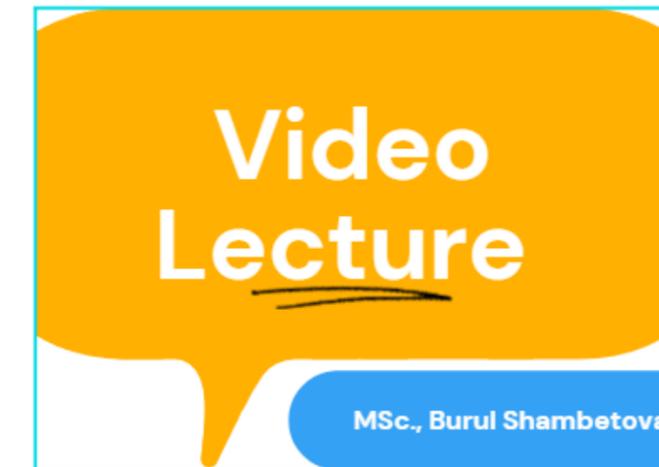


1. **Choose a software or app**
2. **Install on your PC**
3. **Open the application**
4. **Learn shortcuts to easily navigate**

Presentation

- 1 Ready presentation
- 2 Slide size is widescreen(16:9)
- 3 Exclude moving objects from slides
- 4 Use your photo on each slide

1



January 8, 2021

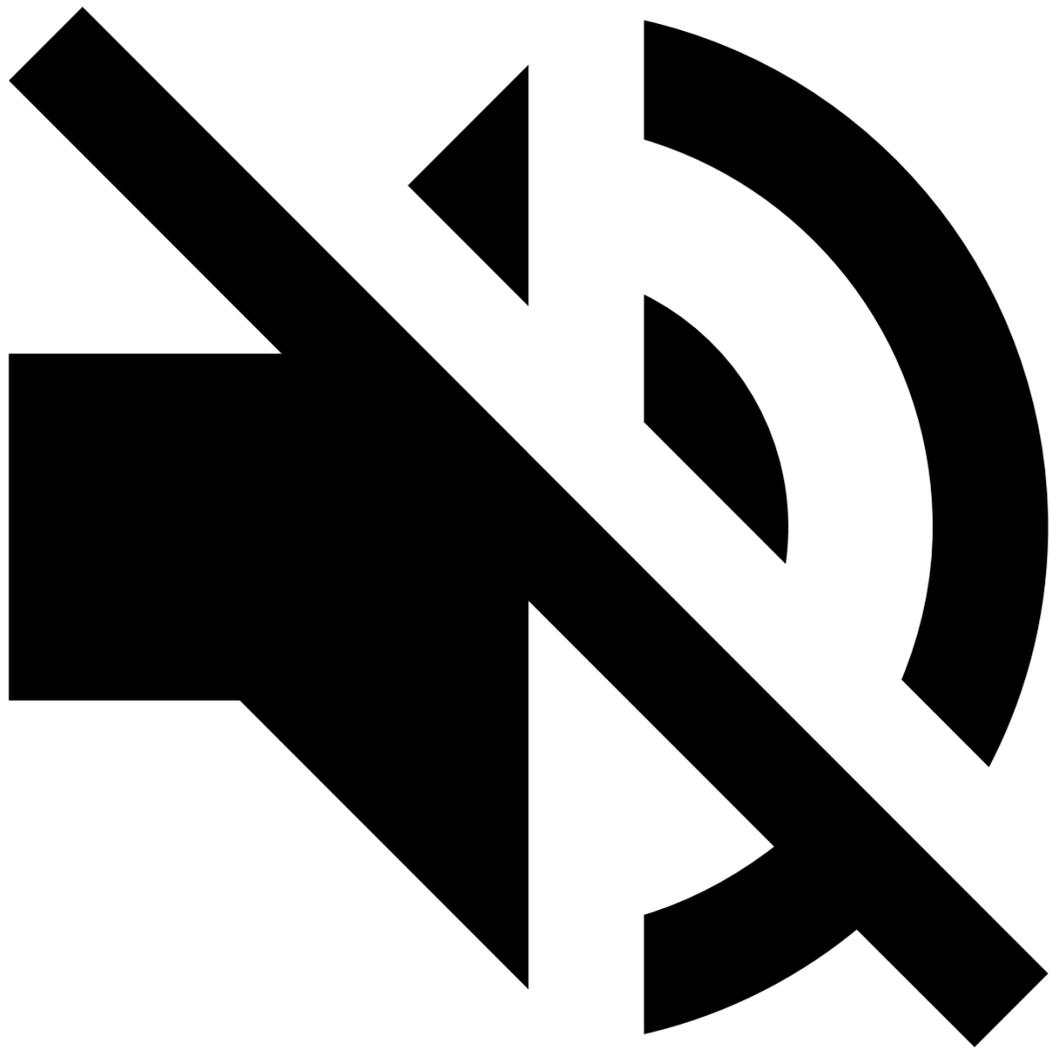


2



Cell Phone is

**PUT THE FOLLOWING
NOTE ON THE DOOR:**



**PLEASE,
DON'T KNOCK
AND
DON'T ENTER
-
A
VIDEO RECORDING
IS IN PROGRESS!!!**

Let's record!

Are you ready?



INSTRUCTIONS FOR THE RECORDING IN OBS

- 1 OPEN BROADCASTER SOFTWARE.
ADD **Source** -> **Display Capture** -> **OK**
- 2 OPEN THE PRESENTATION AND TURN TO SLIDE SHOW.
PRESS THE **Ctrl, Alt** and **S** KEYS SIMULTANEOUSLY IN ORDER TO
- 3 **START** THE LECTURE. **Ctrl, Alt** and **P** to **PAUSE**. **Ctrl, Alt** and **R** to **RESUME**
- 4 START EXPLAINING THE CONTENT OF THE FIRST SLIDE,
UNDERLINE AND WRITE ON IT. IF NECESSARY, THEN TURN TO
THE NEXT SLIDE AND CONTINUE LIKE THAT TO THE OTHER
SLIDES.
- 5 IN THE END PRESS THE **Ctrl, Alt** and **E** KEYS SIMULTANEOUSLY -
THIS WILL PUT AN END TO THE RECORDING OF THE LECTURE.
- 6 LISTEN TO THE VIDEO LECTURE IN ORDER TO CHECK ITS
QUALITY.
- 7 THEN USE REMUX VIDEO IN ORDER TO CHANGE THE VIDEOS
TYPE FROM .MKV TO MP4.





Thank you!

Have a great
day ahead.

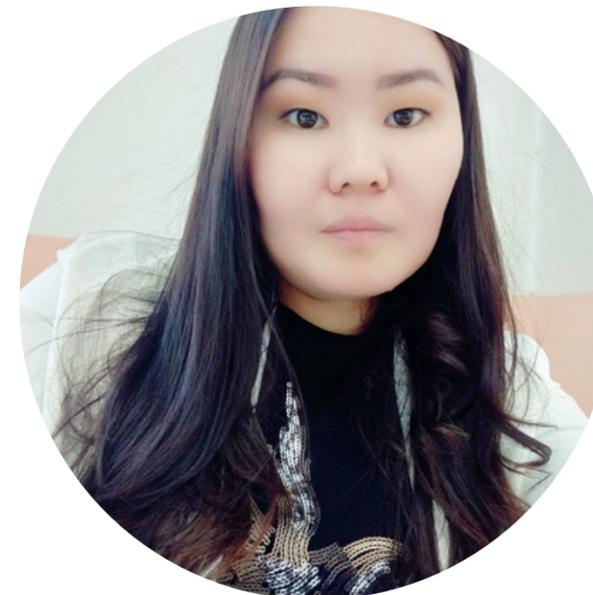


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Interactive Video Lecture



MSc., Burul Shambetova

January 8, 2021

Let's make an interactive!

Are you ready?

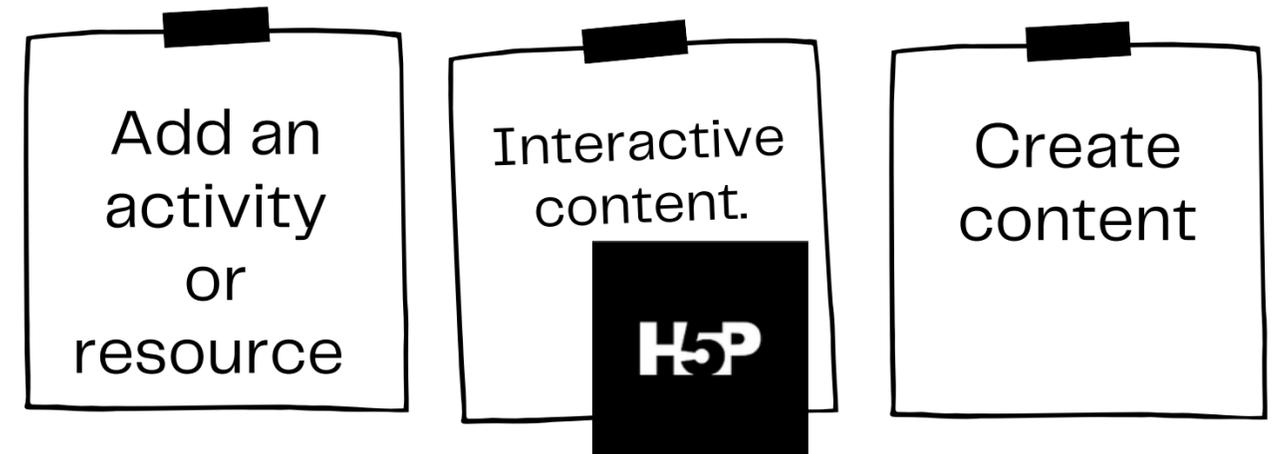




Interactive video lecture

Upload your video to Moodle and make it an interactive video-lecture.

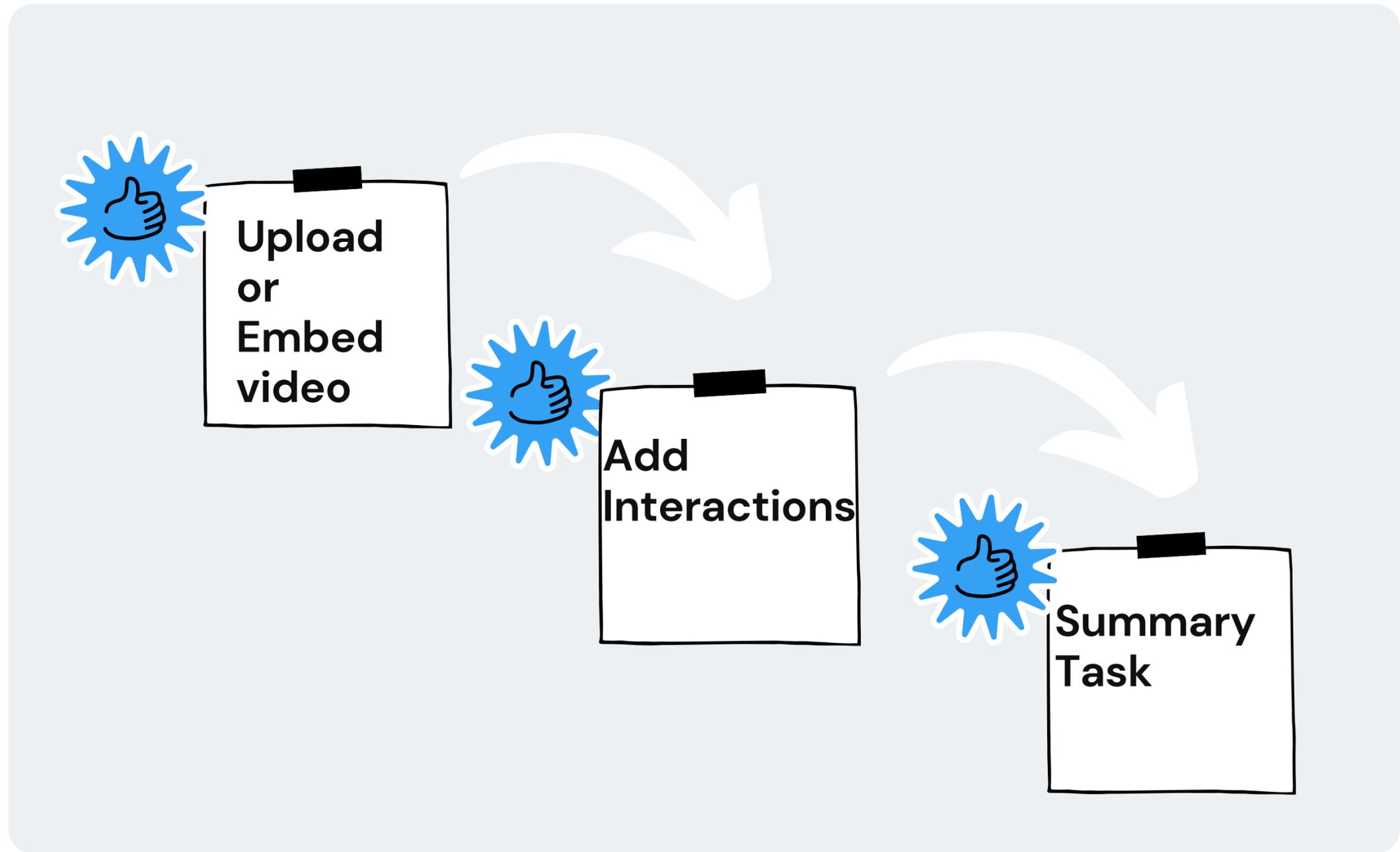
- 1 Moodle(ocs) ->press on **Turn editing on**



- 2 In Create content choose -> **Interactive Video**



Interactive video



References

OBS Studio

Moodle H5P Documentation

Khan Academy.

