

Continuing the Transition into the Age of Video

Eduhub Days, University of Bern, January 29th, 2020, 10.30-11.15

Zac.Woolfitt@Inholland.nl

Research Fellow Teaching, Learning & Technology Research Group Inholland University of Applied Sciences









Thank you







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Background

England

USA – Canada

Netherlands

Tourism

To experience, practice and reflect on all forms of 'Video Teaching'



2003 Lecturer

Web Lecture

2014 - Catching the Wave of Video Teaching



Research

Video

Mobile Learning

Feedback

Pioneer



Home > Onderzoek > Onderzoekslijnen >

Teaching, Learning & Technology



Slides

Full slides with references on Slide Share Photos and links from own archive No video



Continuing the Transition

Into the *Age of Video*Around the Knowledges of Education
Through the Looking Glass

Continuing the Transition



How did you learn when you were 10?





Into the Age of Video





Your First Video Appearance

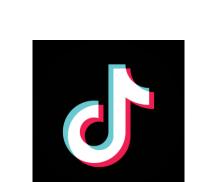


The Age of Video















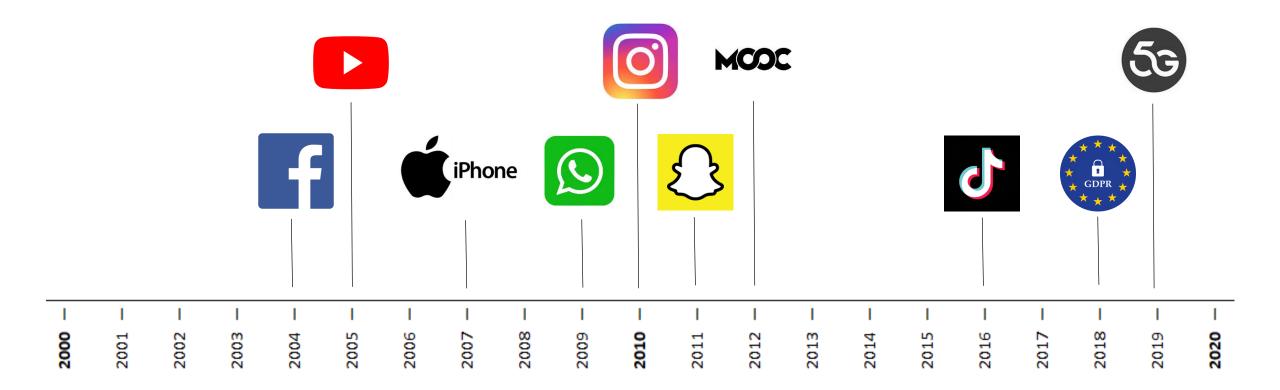




2000 - 20

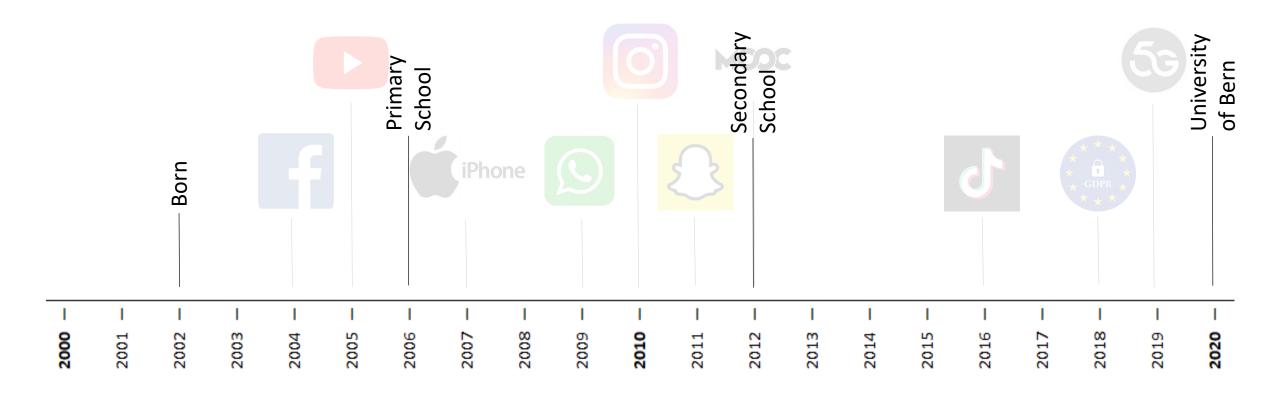


The Age of Video





18 Year-Old Student





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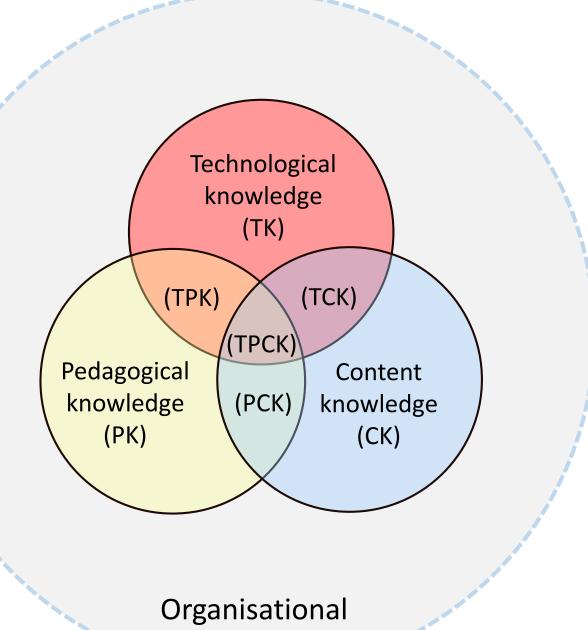




Around the Knowledges of Education



TPACK



External **Environment**

Context





Volatile

Uncertain

Complex

Ambiguous

DESTEP



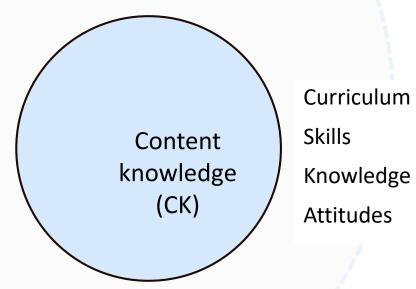


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Strategy
Learning Spaces
Organisational Culture
Mental Models
Partnerships
Students

Organisational Context



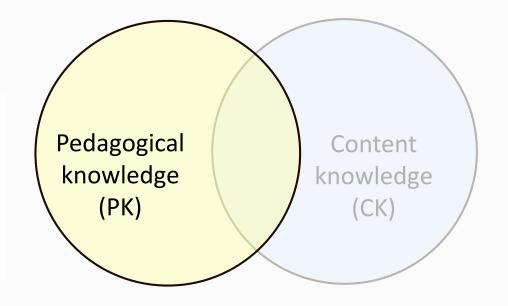


Organisational Context





Teaching Learning Cognitive Load Constructive Alignment Learning Spaces



Organisational Context

(Biggs & Tang, 2011; Sweller, 1994)



Learning





Applying acquired knowledge



Processing new information



Presenting new information

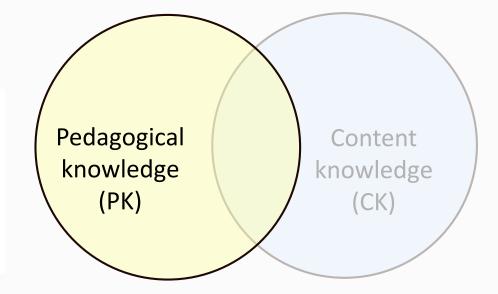


Learning Spaces





Teaching Learning Learning Spaces Cognitive Load Alignment

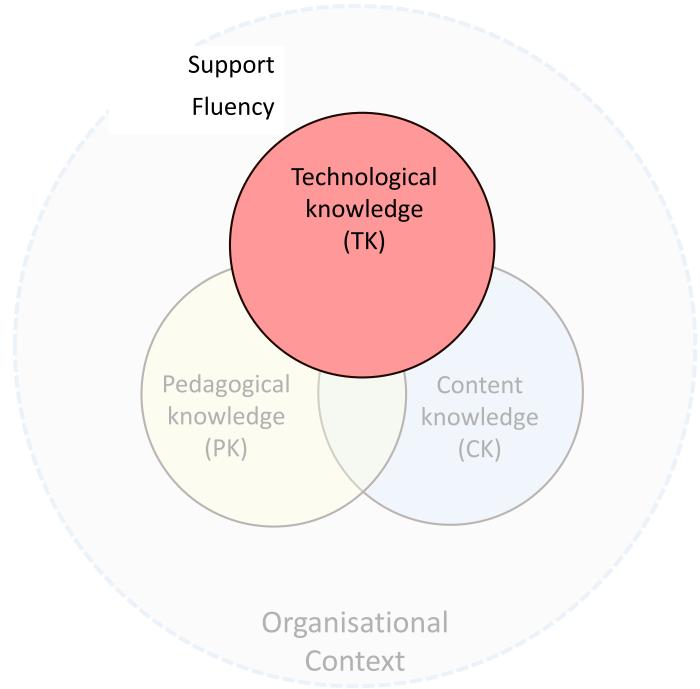


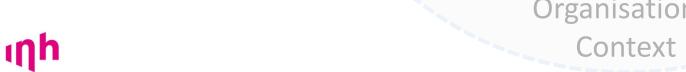
Organisational Context

(Biggs & Tang, 2011; Sweller, 1994)





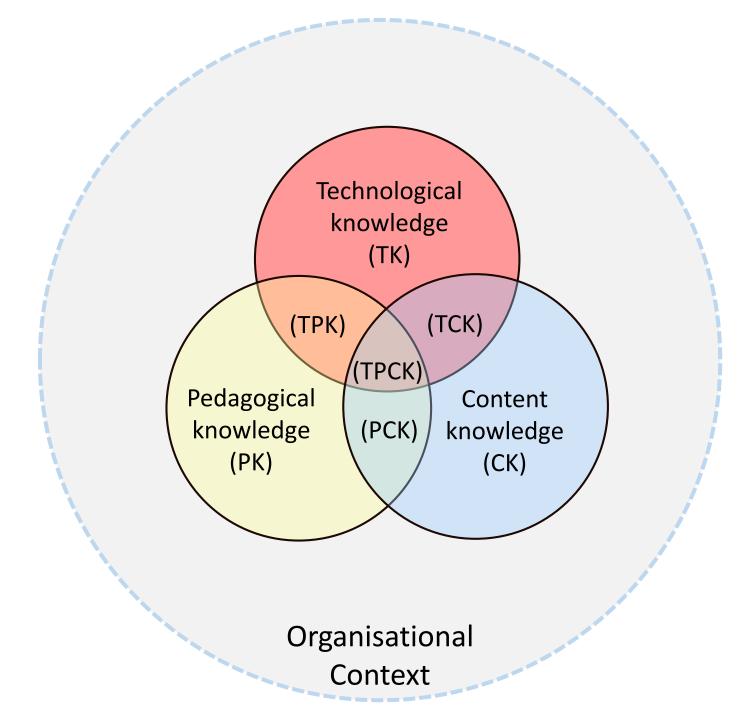




How many video cameras?





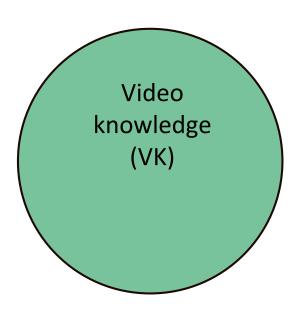




Koehler & Mishra (2009)

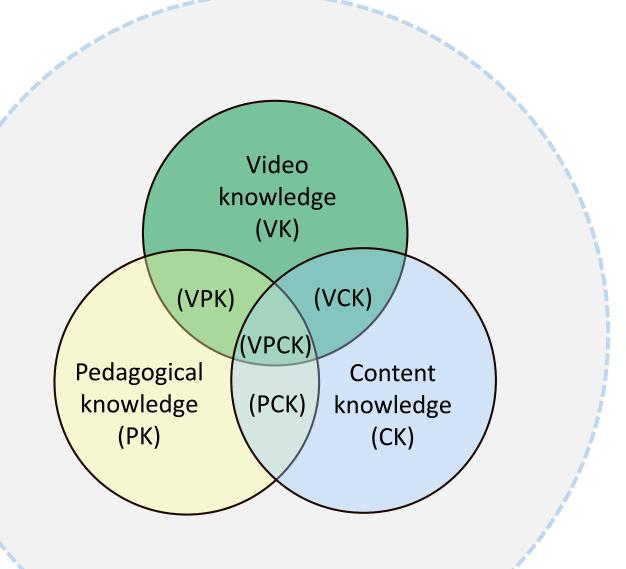
Through the Looking Glass







VPACK



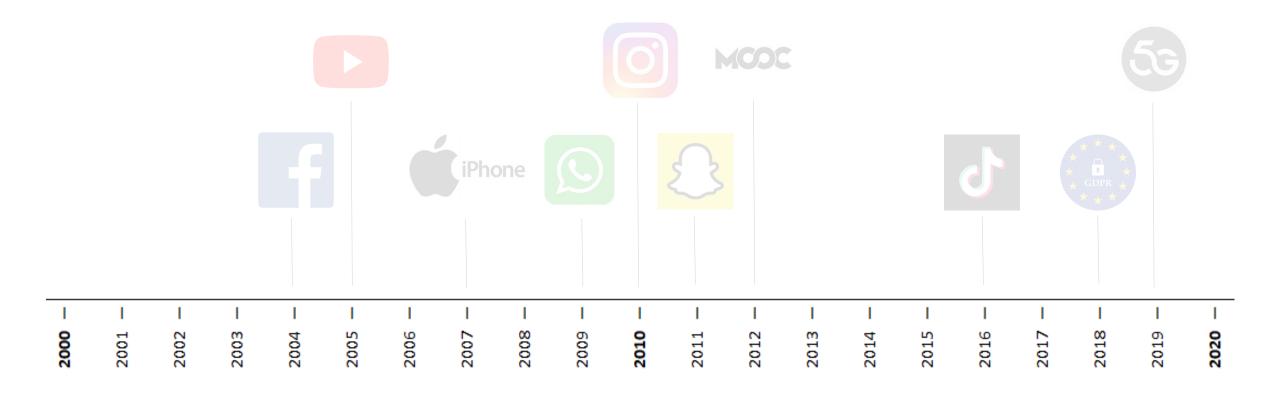
External Environment

Organisational Context

Adapted from Koehler & Mishra (2009)

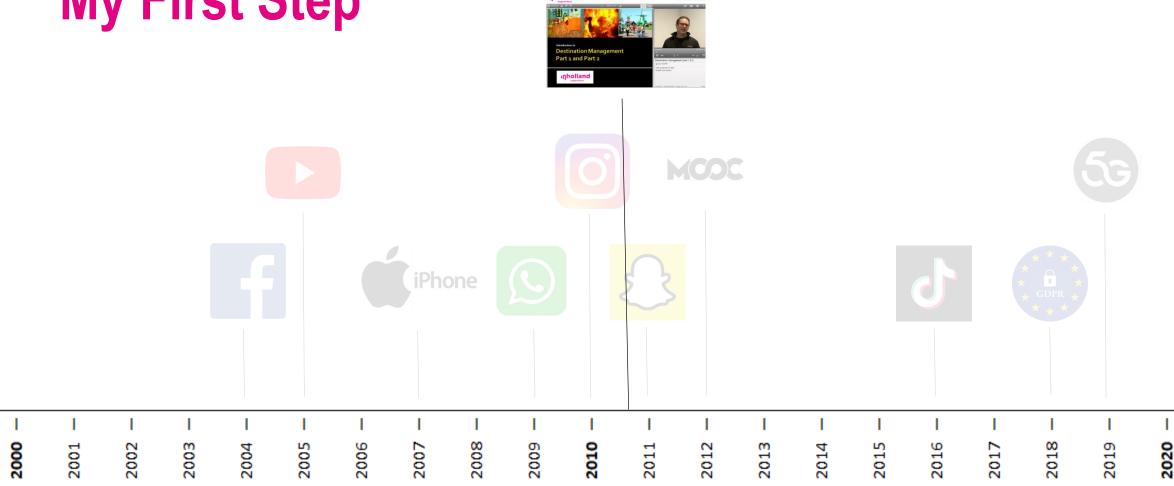


First Educational Video



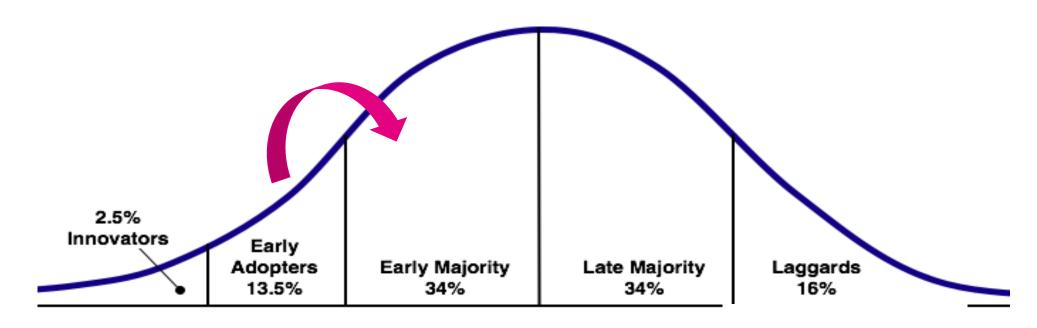


My First Step





Diffusion





(Rogers, 2003)

Catching the Wave

Catching the wave of video teaching

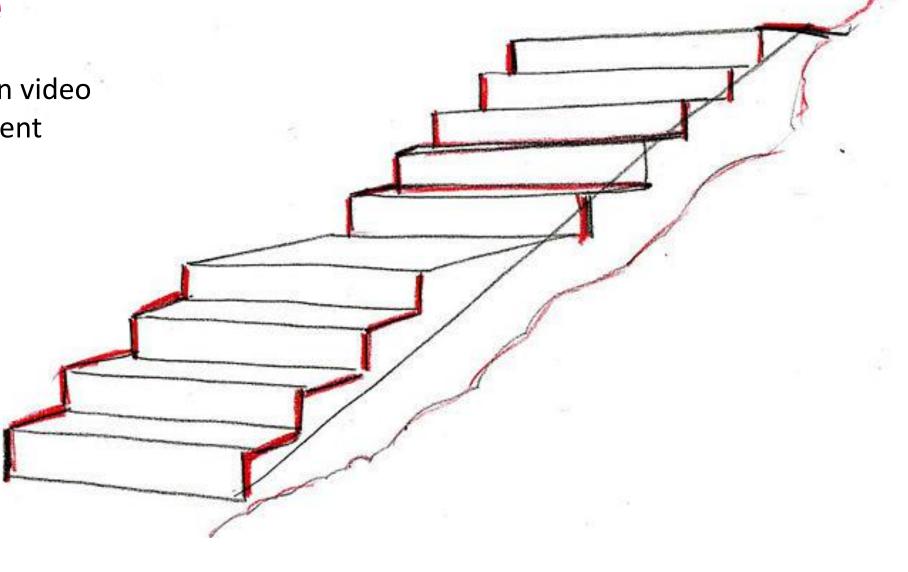
Supporting lecturers in the tourism team Inholland Diemen in developing video teaching skills





Resistance

I don't look good on video
Don't have equipment
Boring for students
Don't have time
Loose my job
Not needed
Not for me
Can't do it
Afraid...





Early Majority Catching the wave of video teaching 2.5% Innovators Early Adopters Early Majority 13.5% 34% 2000 2008 2002 2003 2005 2007



Video Pedagogy Video knowledge (VPK) Pedagogical knowledge



'Video Teaching'

Teaching via video

Teacher has active role

Recorded

Audible and Visible

Screen part of didactic process

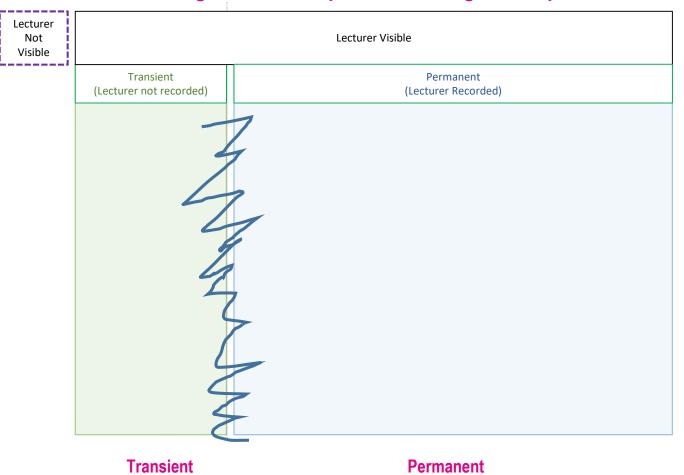


$3d \rightarrow 2d$

Many things change when we teach with, and through, video



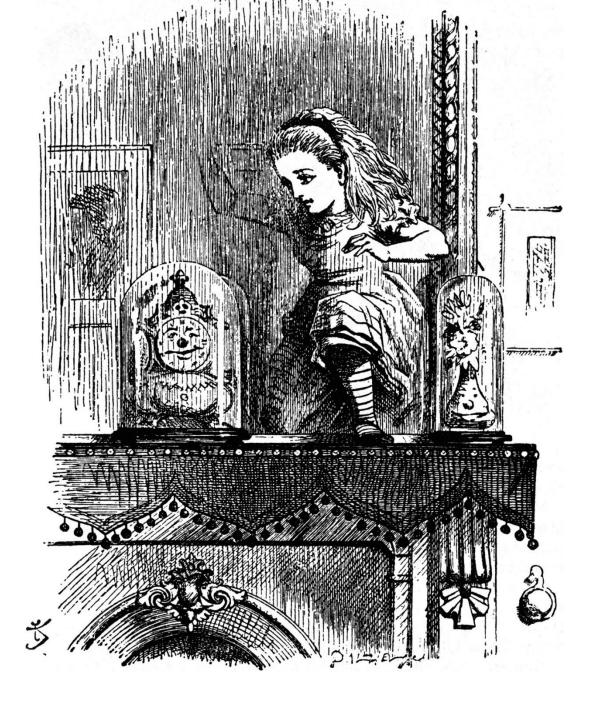
The Transition in Teaching – transient/ephemeral to digitalized/permanent













Video changes everything

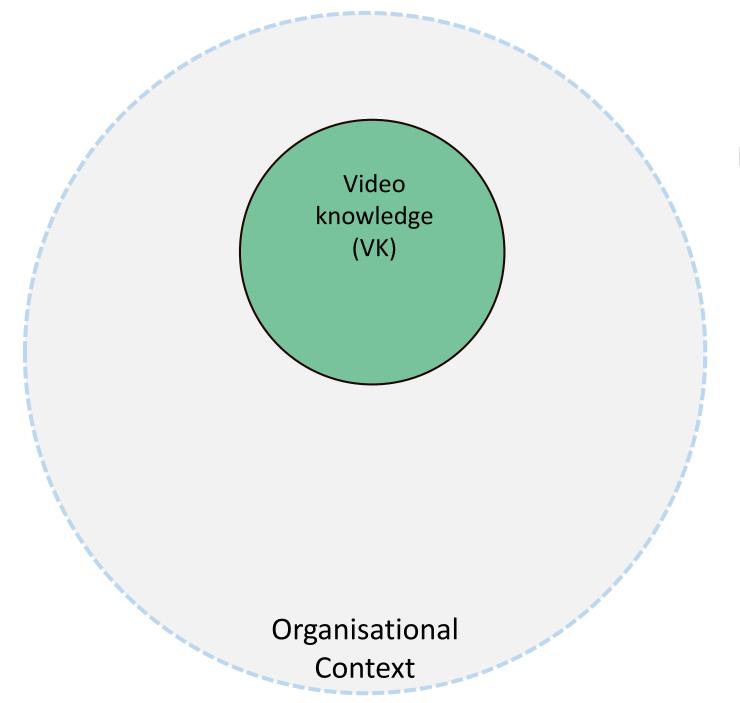


Video Because

Push – technology availability

Pull – needs of students, faculty, organisation





External Environment



Vision

Policies

We do it for you, together, you do it Studios



Multi-Facted

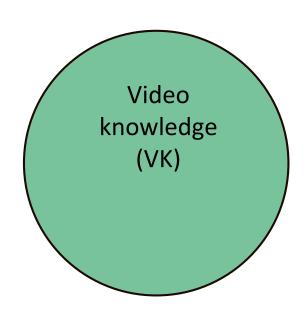
Formats

Affordances

Functions

'outstandingly capable'

Opportunities





Augment

Accessible

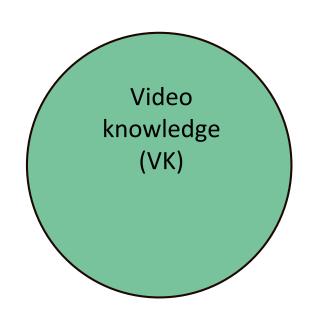
Meta Tags

Speech Recognition

Full-text search

Annotate

H5P





Typologies

Ongoing challenge **Definitions fluid** Terminology evolving







Text-Overlay







Actual Paper/Whiteboard Screencast





Classroom Lecture













Webcam Capture





On Location



Green Screen





Made by, made for..?

Made for teachers

Made for students

Made by teachers

Made by students

Made by teachers for teachers

Made by teachers for students

Made by students for teachers

Made by students for students



Formats



Video Clip



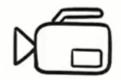
Screencast



Live Lecture Capture



Web Lecture



Student Generated



Video Clip

Explanation

How to

News





Screencast

A digital movie of your screen

Presenter visible or not

Formative feedback

Mutliple use or throw-away





Live Lecture Capture

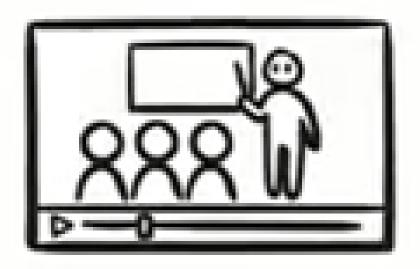
Live recording

Interaction

Adjusted Teaching

Attendance

Accessibility





Web Lecture

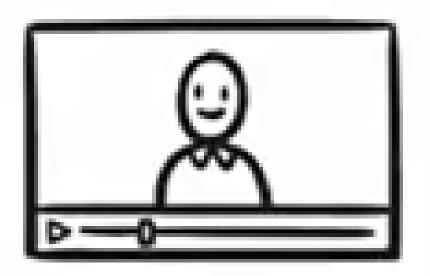
Linear

Student Control

Searchable

Interactive layers

24/7





Student Perception (N=95) 20 10

(Kirschner & van Merriënboer, 2013)

Student Generated

Assignment

Vlog

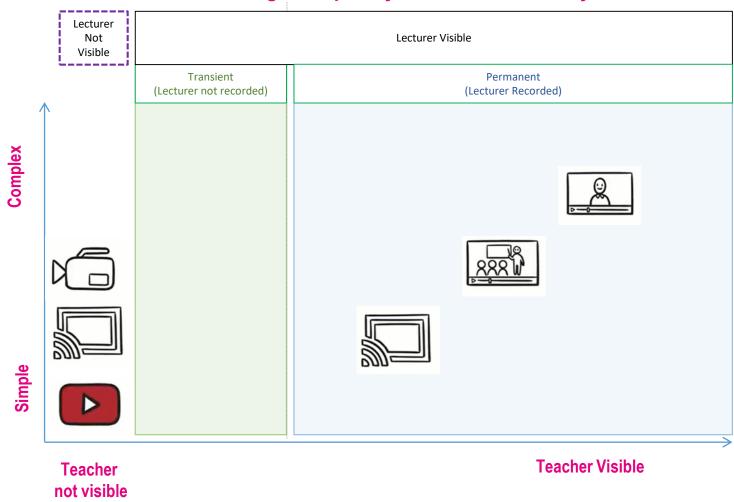
Reflection

Portfolio



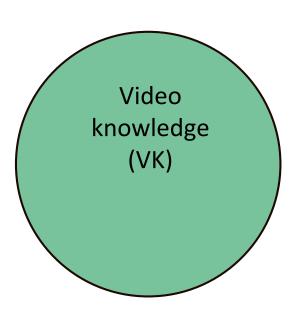


Video Teaching: Complexity vs. lecturer visibility



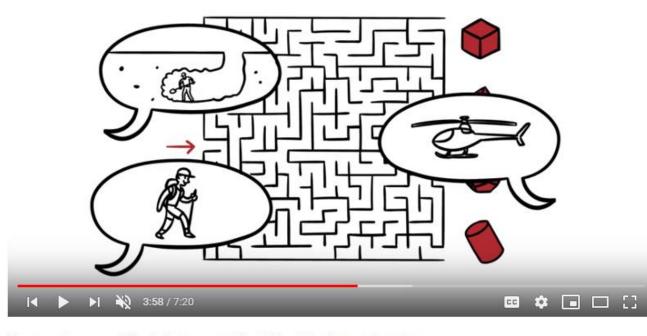


Other Formats





Animation

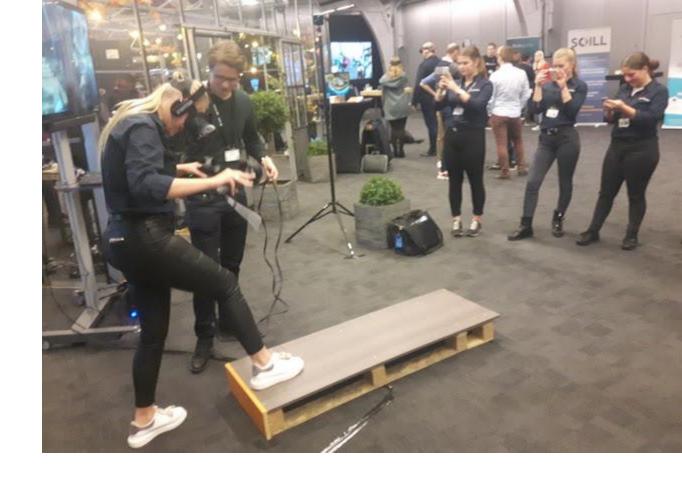


Vormgeven aan effectief samenwerkend leren in het onderwijs



Realities

Augmented Virtual 360



Video Pedagogy Video knowledge (VPK) Pedagogical knowledge



Evidence Based



Zac Woolfitt ectoraat Teaching, Learning and Technology Inholland University of Applied Sciences October 2015

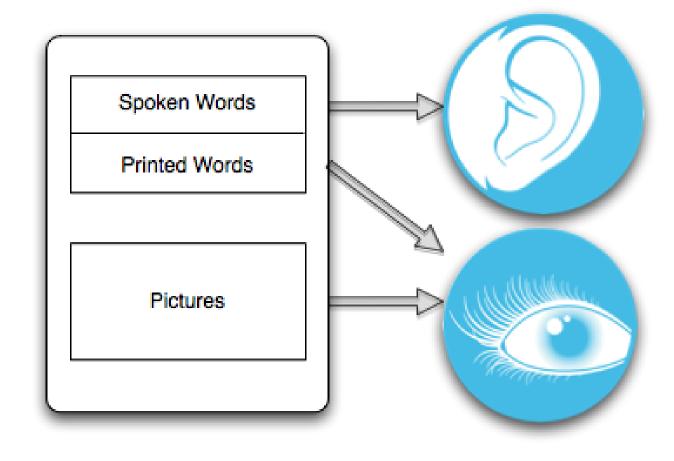
1



Multi-Media Theory

Audio

Visual





F2F vs Online







Discussion board

Assignments











 \bigcirc Online brainstorm



Case study











lecture

Lab work

Excursion

Problem

solving



Difficult

exercises

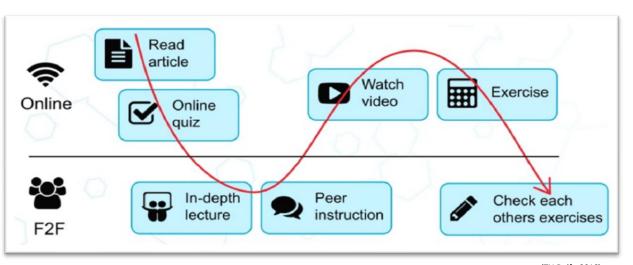




Discussion

(TU Delft, 2016)

Blending & Flipping



(TU Delft, 2016)







Online





View transcript

ABOUT THE COURSE

with the help of blended learning.

Download video: standard or HD



FREE online course

Duration: 3 weeks

C 4 hours pw

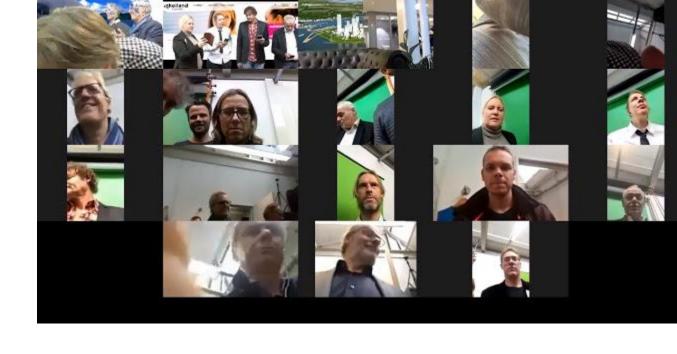


This is the second part of the Blended Learning Essentials course, SHARE which will build upon the content of the first part, covering issues such as learning from experience and tackling difficult challenges.





Engage



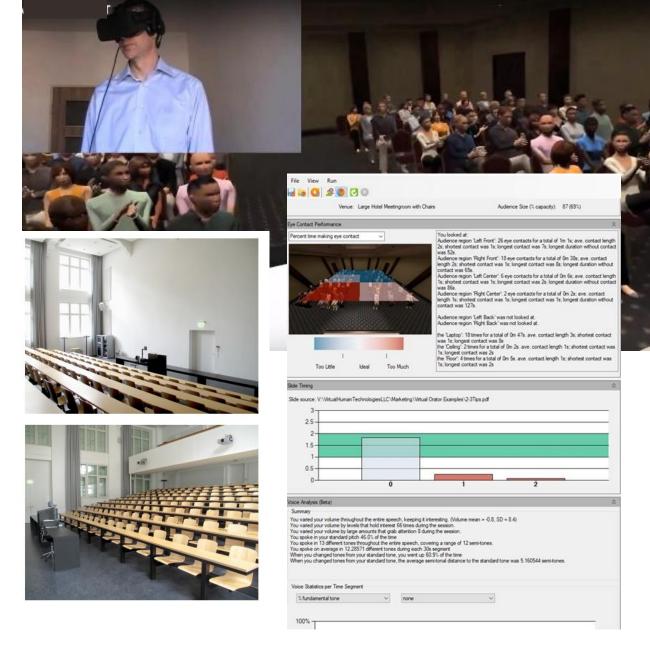


Capture





Practice



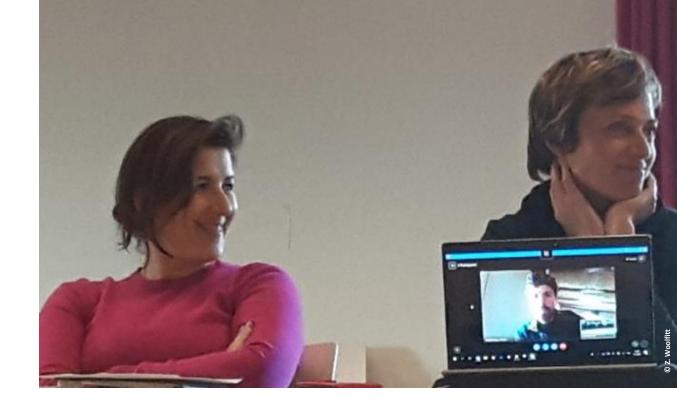


Assessment





Virtual Presence





Online Synchronous





Hybrid Classroom





$3d \rightarrow 2d \rightarrow 3d$





Video future







Artificial Intelligence, 5G and the Future Balance of Power

Benjamin Fricke

- Artificial Intelligence (AI) and SG will become the most important emerging technologies within the next 10-20 years with the potential to fundamentally alter the global balance of power. They will most probably propel the 4th Industrial Revolution.
- Geopolitical and economic supremacy will be determined by those powers who manage Al and SG to their advantage. Russia and China are challenging the U.S.-led world order by a new technological competition in economics, military modernization and means of social control that capitalize on the advancements that these technologies provide.
- Germany and the EU are lagging behind in both SG and AI adaptation. Their global competitiveness will continue to decline unless they invest in EU-based, technology-capable companies that can manage big data and exploit the seemingly limitless opportunities such data offers.

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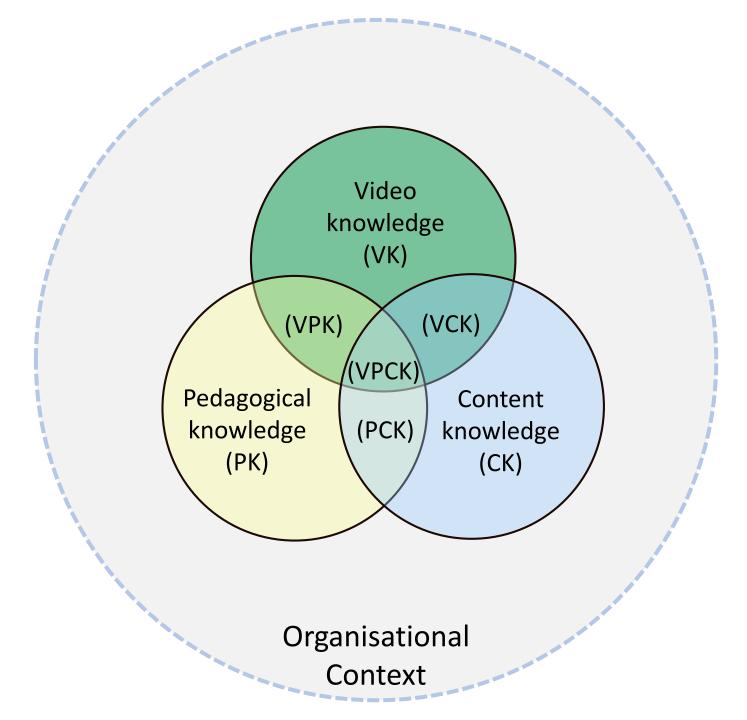
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Video Smith











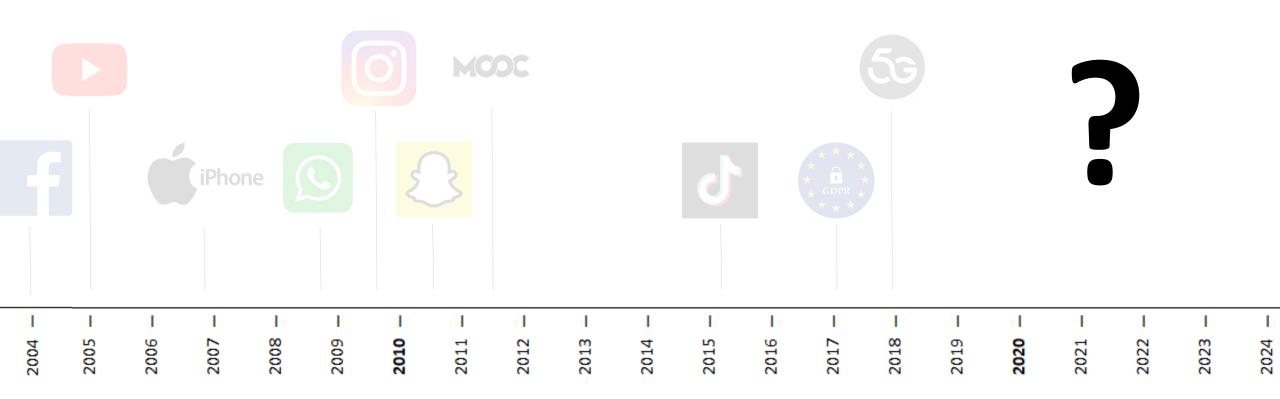
Continuing the Transition





Our Agenda

Our agenda for the next few years? Menti.Com 72 31 22













@ZCWLFTT

zac.woolfitt@Inholland.nl

++31 (0) 610 441 829

'Video Teaching' Blog zacwoolfitt.blogspot.com





Slides edu.nl/f3e46







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