



# Flipped Classroom und Video in der Lehre

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29.08.2015  
Barcamp Digitale Bildung

# Agenda

01

- Einführung – Vorstellung

02

- Das Flipped Classroom Konzept

03

- Beispiele für Videos in der Lehre

04

- Lernvideos selber erstellen – Produktionstipps

# 01

## Einführung – Vorstellung



02

## Das Flipped Classroom Konzept



02

## Das Flipped Classroom Model

Inverted Classroom Model

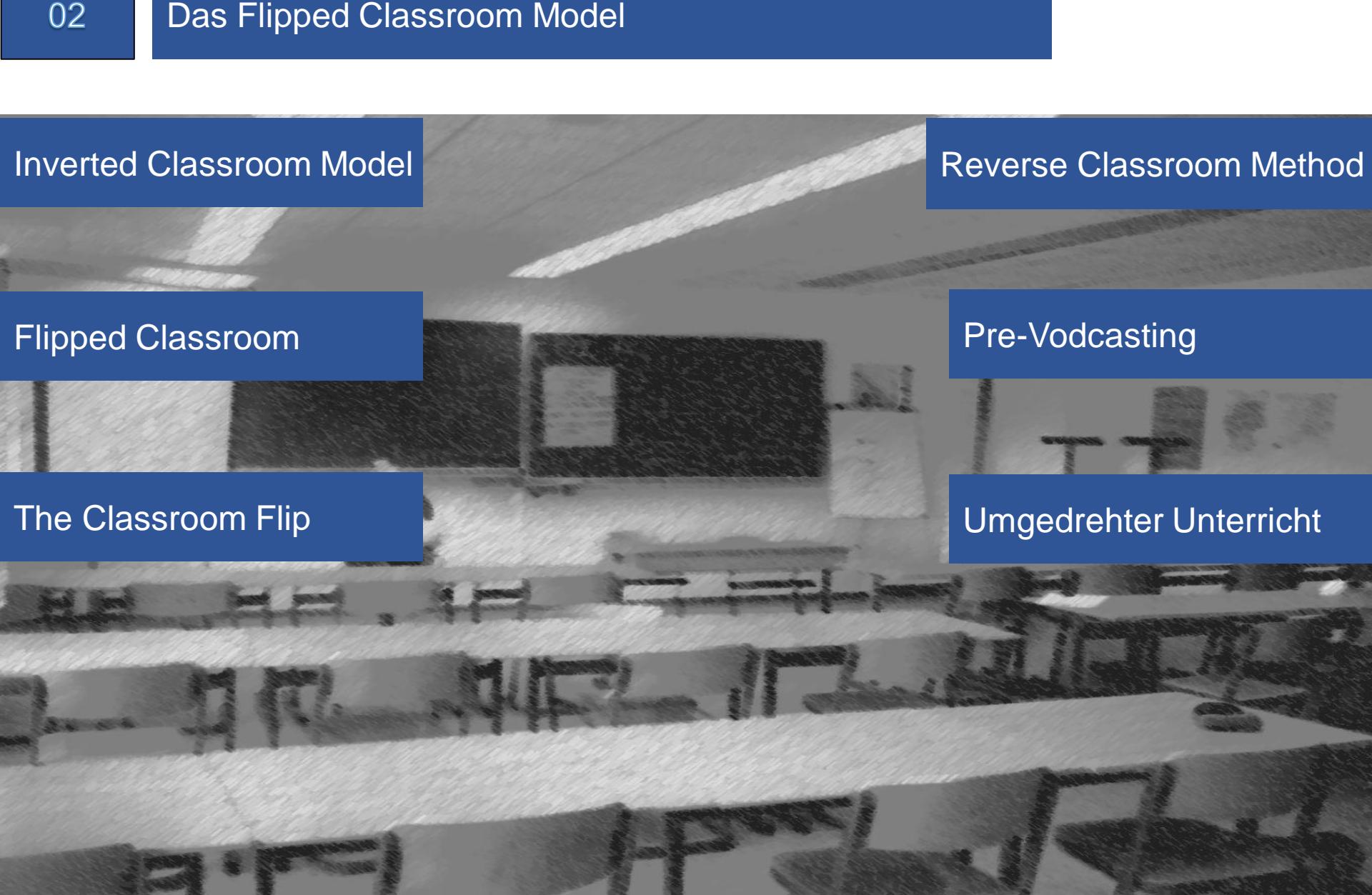
Flipped Classroom

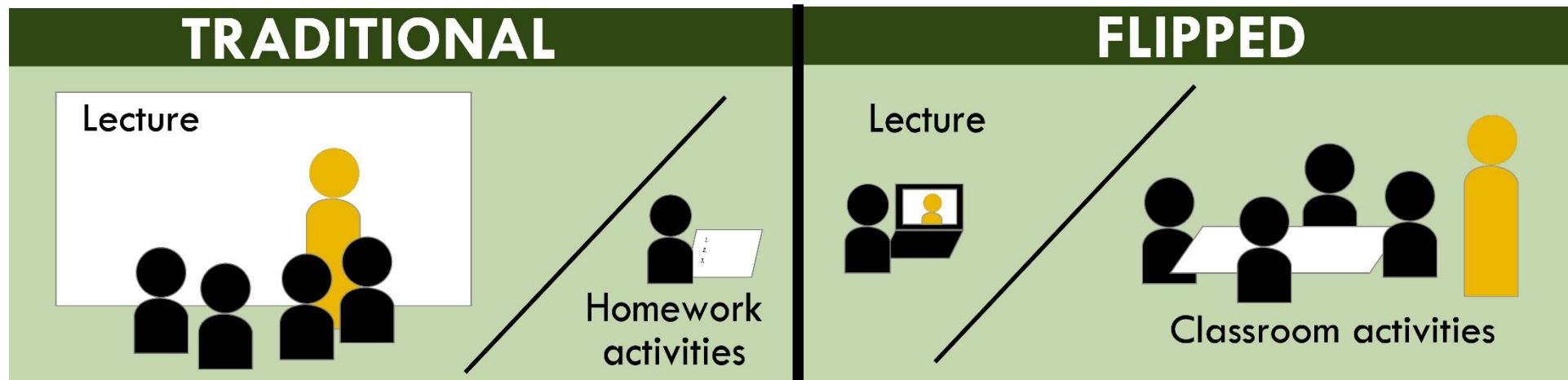
The Classroom Flip

Reverse Classroom Method

Pre-Vodcasting

Umgedrehter Unterricht





Quelle: <http://www.washington.edu/>

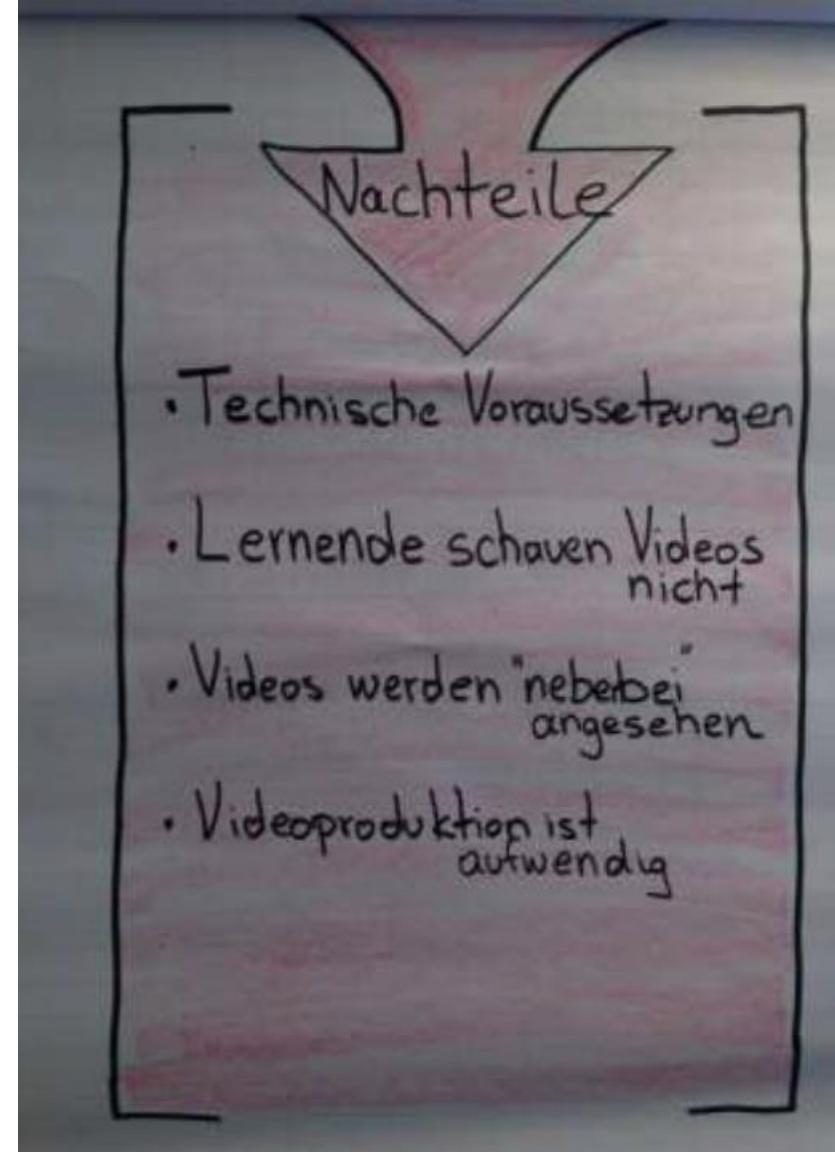
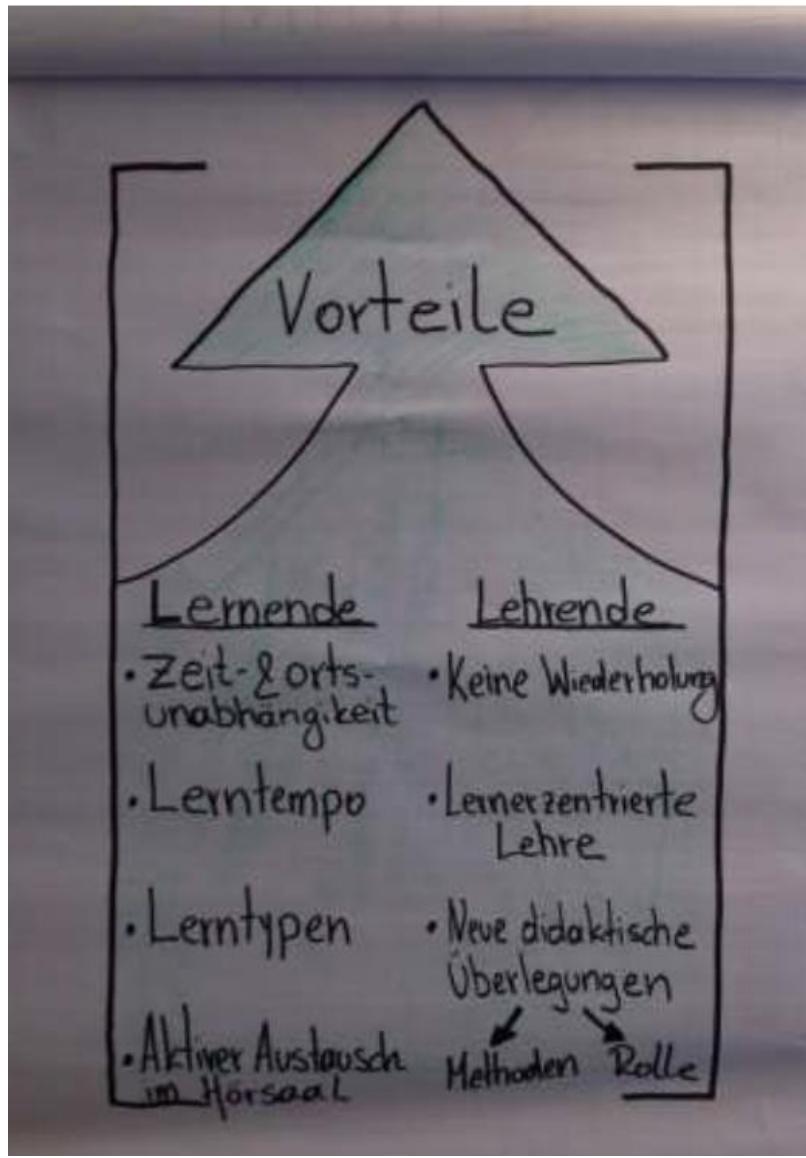


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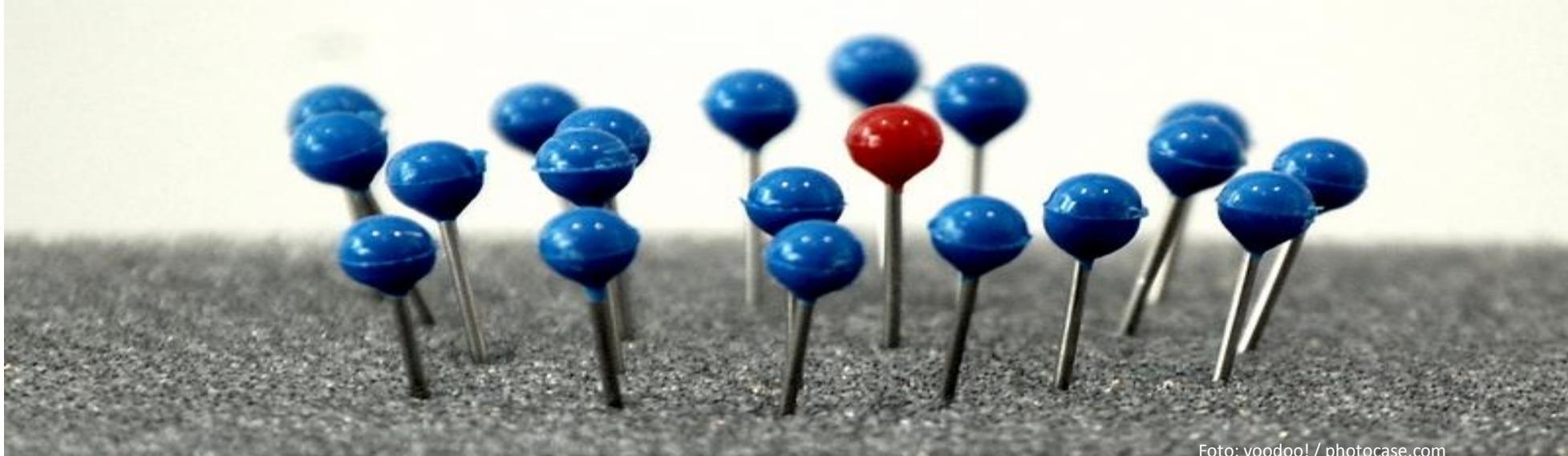
Lesen Sie das Buch/  
den Text

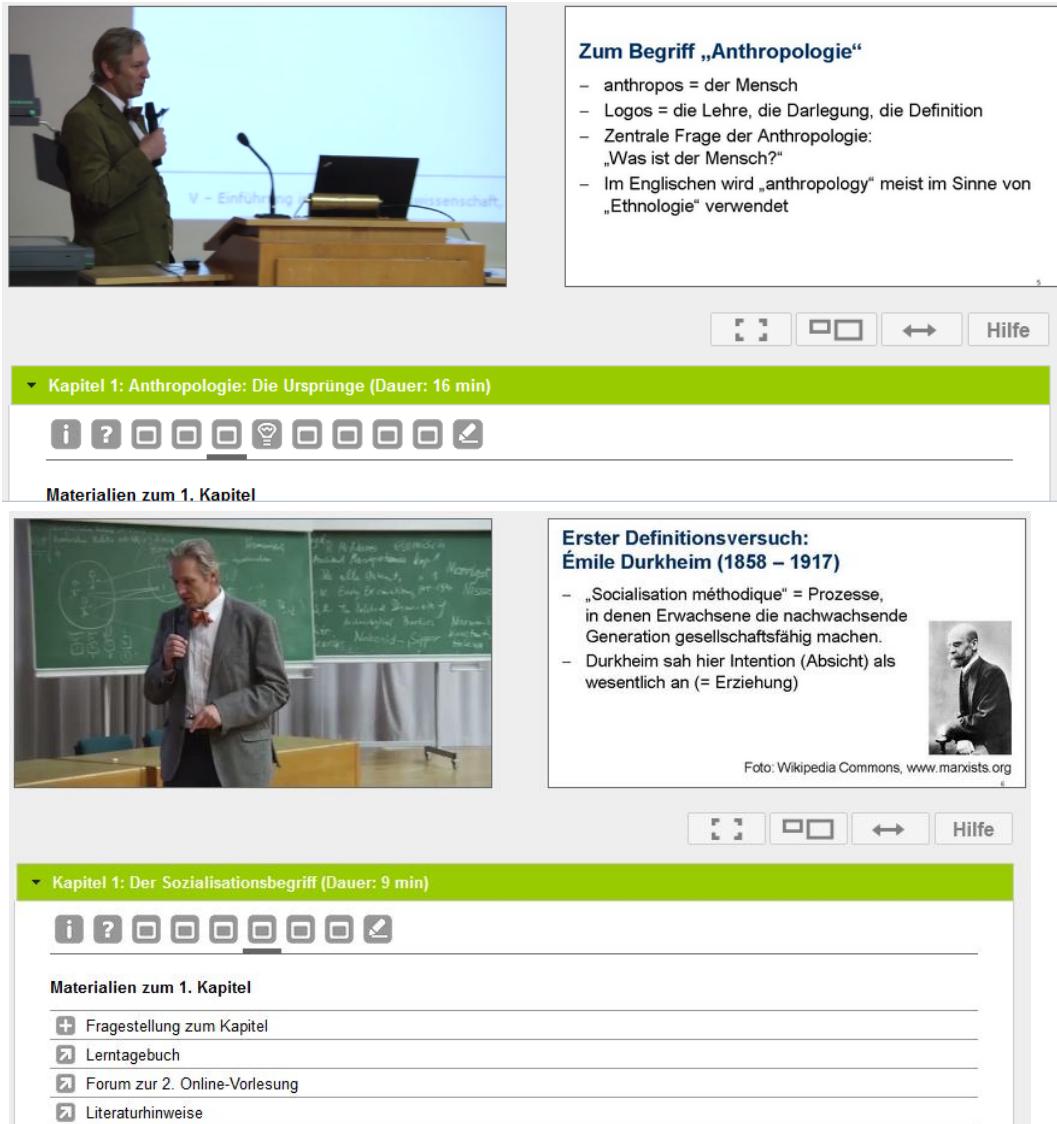
Wir diskutieren im  
Unterricht darüber



# 03

## Beispiele für Videos in der Lehre





The screenshot shows a lecture recording interface. On the left, a video feed of a professor in a green suit speaking at a podium. On the right, a text box titled "Zum Begriff „Anthropologie“" contains the following text:

**Zum Begriff „Anthropologie“**

- anthropos = der Mensch
- Logos = die Lehre, die Darlegung, die Definition
- Zentrale Frage der Anthropologie: „Was ist der Mensch?“
- Im Englischen wird „anthropology“ meist im Sinne von „Ethnologie“ verwendet

Below the video feeds, a green bar indicates "Kapitel 1: Anthropologie: Die Ursprünge (Dauer: 16 min)". Below this bar are various control icons. A section titled "Materialien zum 1. Kapitel" shows a thumbnail of the professor at a chalkboard and a text box about Emile Durkheim's first definition of socialization.

**Erster Definitionsversuch: Émile Durkheim (1858 – 1917)**

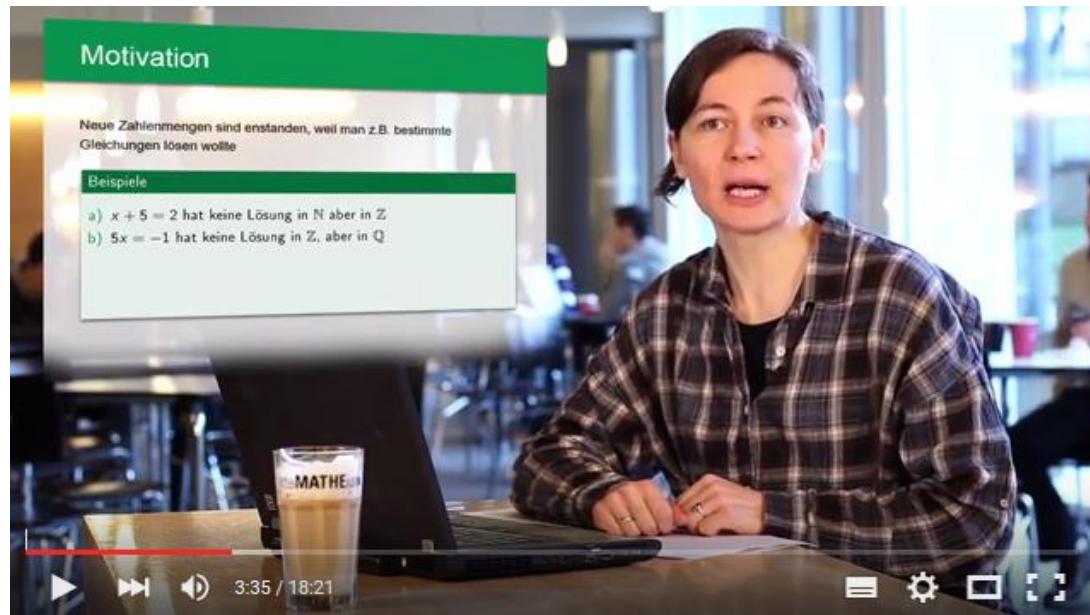
- „Socialisation méthodique“ = Prozesse, in denen Erwachsene die nachwachsende Generation gesellschaftsfähig machen.
- Durkheim sah hier Intention (Absicht) als wesentlich an (= Erziehung)

Foto: Wikipedia Commons, www.marxists.org

At the bottom, another green bar indicates "Kapitel 1: Der Sozialisationsbegriff (Dauer: 9 min)". Below this bar are more control icons and a section titled "Materialien zum 1. Kapitel" with links to "Fragestellung zum Kapitel", "Lerntagebuch", "Forum zur 2. Online-Vorlesung", and "Literaturhinweise".

## Einführung in die Erziehungswissenschaft (Freie Universität Berlin WS 13/14)

- Ausgangssituation: Circa 600 Studierende, ungünstige Lehr- und Lernbedingungen.
- Veranstaltungsaufzeichnungen in Form von Lehrvideos mit zusätzlichen Lernmaterialien (Literatur, Übungen, Podcasts und Selbsttests).
- Online-Foren zu technischen und inhaltlichen Fragen, Lerngruppen und Lerntagebuch.



## LatteMATHEiato

### (Hochschule Furtwangen 2012)

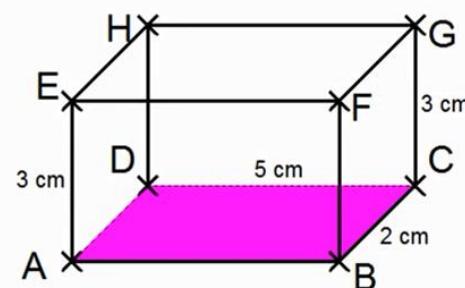
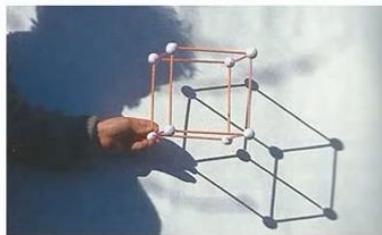
- Ausgangssituation: Heterogenität des Vorwissens der Lernenden stellt eine Schwierigkeit dar.
- Dozierende der HFU erklären in 10 - 20 Minuten bei einem LatteMATHEiato wichtige mathematische Konzepte und Grundlagen.
- Papier und Stift. Tablet-PC oder animierten Computergrafik.
- Video-Podcasts werden in der Regel als unterhaltsam und motivierend empfunden. Sie entsprechen den Mediennutzungsgewohnheiten der Studierenden.
- Podcasts - Immer und überall dabei.

<https://www.youtube.com/watch?v=IPaEOjFg67U>

## 8.2 Schrägbild zeichnen (Quader)

**Angabe:**

- Quader ABCDEFGH
  - Schrägbildachse  $\overline{CD}$
  - $\overline{AB} = 5\text{cm}; \overline{BC} = 4\text{cm}; h = 3\text{cm}$
  - $q = 0,5; \omega = 45^\circ$



Wiederholung: Quader  $\triangleq$  rechteckige Grundfläche

Würfel  $\triangleq$  quadratische Grundfläche

- Sebastian Schmidt: Schrägbild zeichnen

<http://www.youtube.com/watch?v=9z4wlx1nSOU>

- Brian Bennett: Chemische Ampel

<http://www.youtube.com/watch?v=fTQGoMt2Y3k>



- Dan Meyer: Basketball

<https://www.youtube.com/watch?v=jRMVjHjYB6w>



## Seien Sie dabei: Inverted Classroom Chat



- An jedem 2. Montag im Monat
- Vorträge über Flipped Classroom online verfolgen – Adobe Connect Raum
- Erfahrungsaustausch
- Diskussionen
- Dokumentation im Blog

<http://blogs.fu-berlin.de/icmchatde/>

# 04

## Lernvideos selber erstellen – Produktionstipps





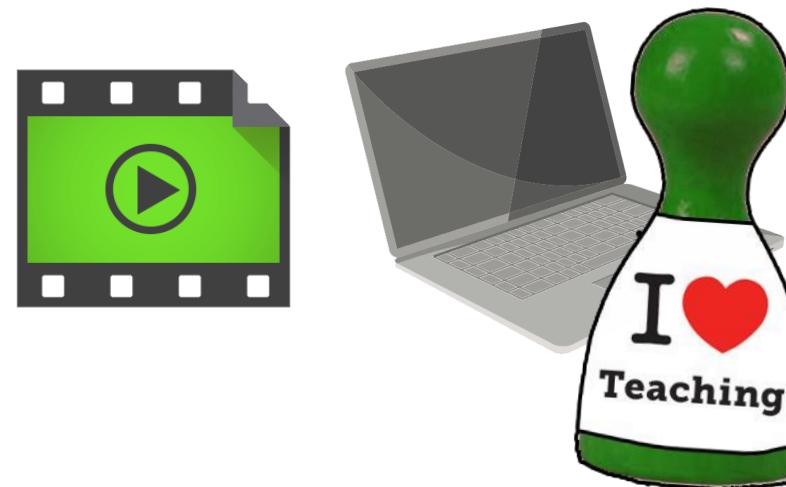
Fremde Videos



Eigene Videos



- Auf Unterricht zugeschnitten
- Faktisch korrekt
- Authentisch & persönlich



# 05

## Screencasts: Einfach & effizient



# Gerät zur Aufnahme

- Laptop
- Interaktives Whiteboard
- Tablet
- Smartphone



- Software zur Bildschirmaufnahme



- Mikrofon



- Idee/Konzept



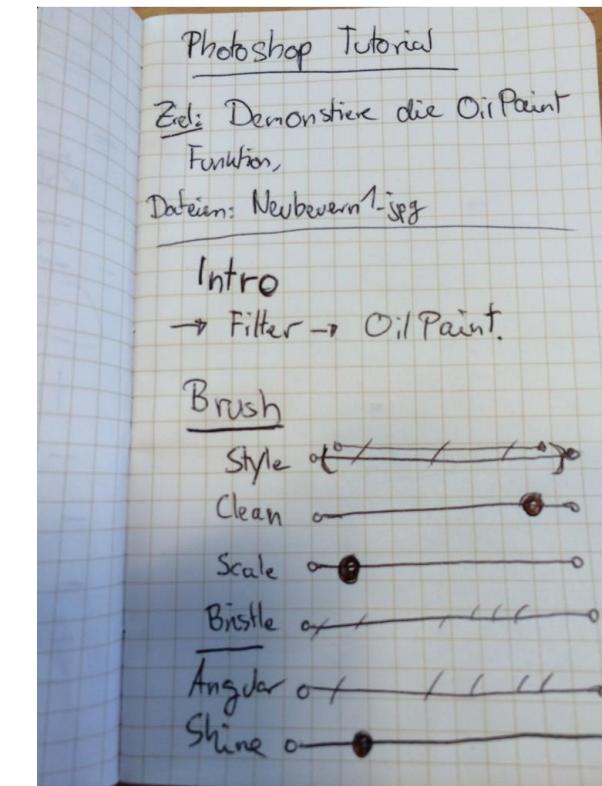
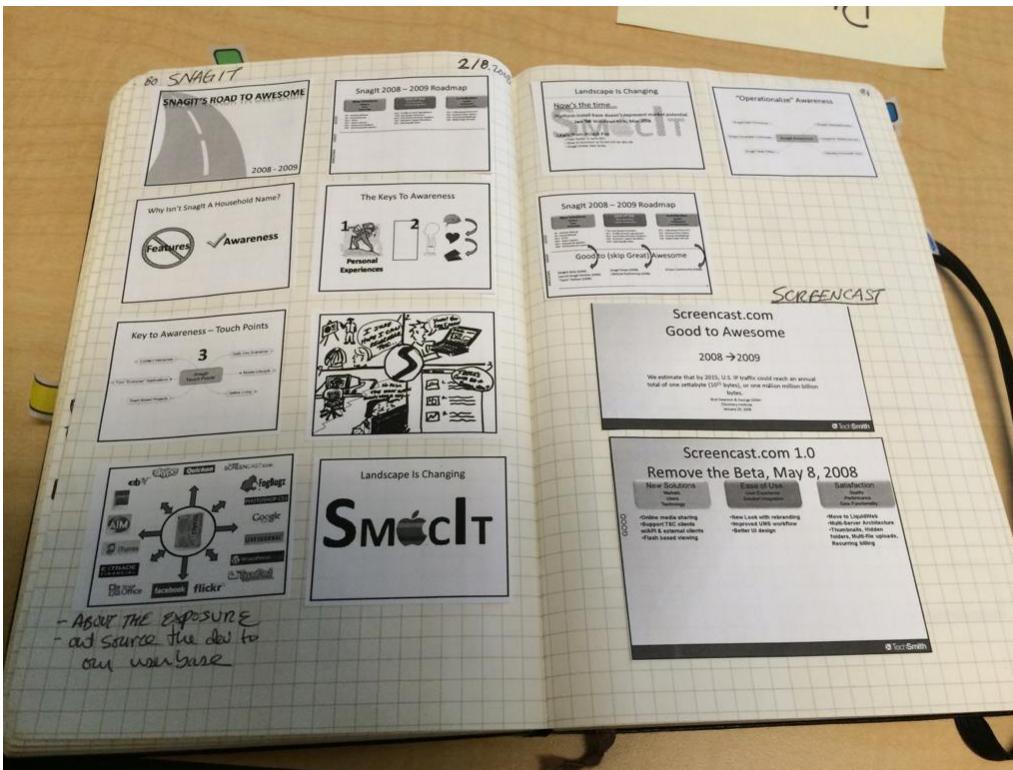


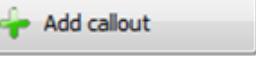
Do I need it to be  
perfect?

Or do I need it by  
Tuesday?



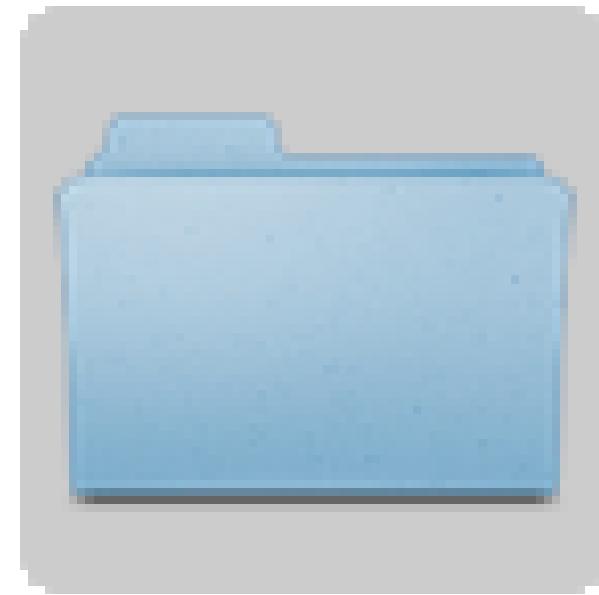
Kurz & bündig



#	Action on Screen	German Audio
1.		Callouts werden benutzt, um wichtige Informationen auf dem Bildschirm hervorzuheben.
2.		Es gibt verschiedene Callout-Typen, zum Beispiel:
3.	Show an example of arrow callout	Pfeile... die direkt auf einen wichtigen Bereich in Ihrem Video zeigen.
4.	Show an example of Spotlight callout	Spezial-Callouts zum Markieren... dabei wird der restliche Bildschirm verdunkelt und nur der Bereich, den Sie hervorheben wollen, bleibt hell.
5.	Use the text "pretty self-explanatory" to show that you can add any text at any time??	... oder Text-Callouts... mit denen Sie - wie der Name schon sagt - an jeder beliebigen Stelle im Video Text einfügen können.
6.	Blur out a login screen (maybe SC.com) to show how this one works	Etwas Besonderes ist das „Unscharfe Callout“... mit dem bestimmte Bereiche unlesbar gemacht werden können, zum Beispiel, um persönliche Daten und Login-Informationen zu schützen.
7.	Show an example of using a Sketch Motion callout	Außerdem gibt es die neuen Animationszeichnungs-Callouts... die aussehen, als ob direkt auf den Bildschirm gezeichnet würde, um die Aufmerksamkeit der Zuschauer auf einen wichtigen Bereich zu lenken.
8.	Fade to full screen view of Camtasia Studio	Ich zeigen Ihnen jetzt, wie Sie Callouts in Ihre Videoprojekte einfügen können.
9.		Zuerst positioniere ich die Suchleiste an der Stelle auf der Timeline, wo ich ein Callout einfügen möchte.
10.	 Add callout	Ich wähle den Tab Callout und klicke auf die Schaltfläche „Callout hinzufügen“.

05

Projekte, Dateien und Beispiele vorbereiten



Beispieldateien

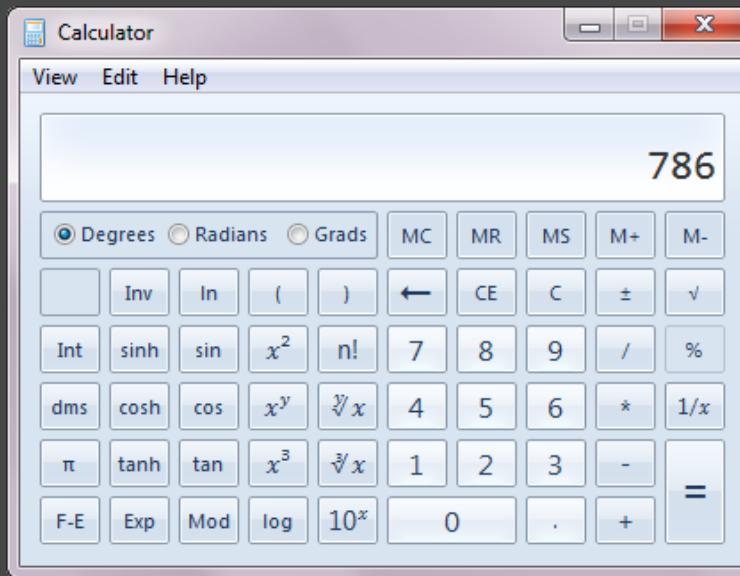








Rechner



16:39

100%

05

Auf den guten Ton achten



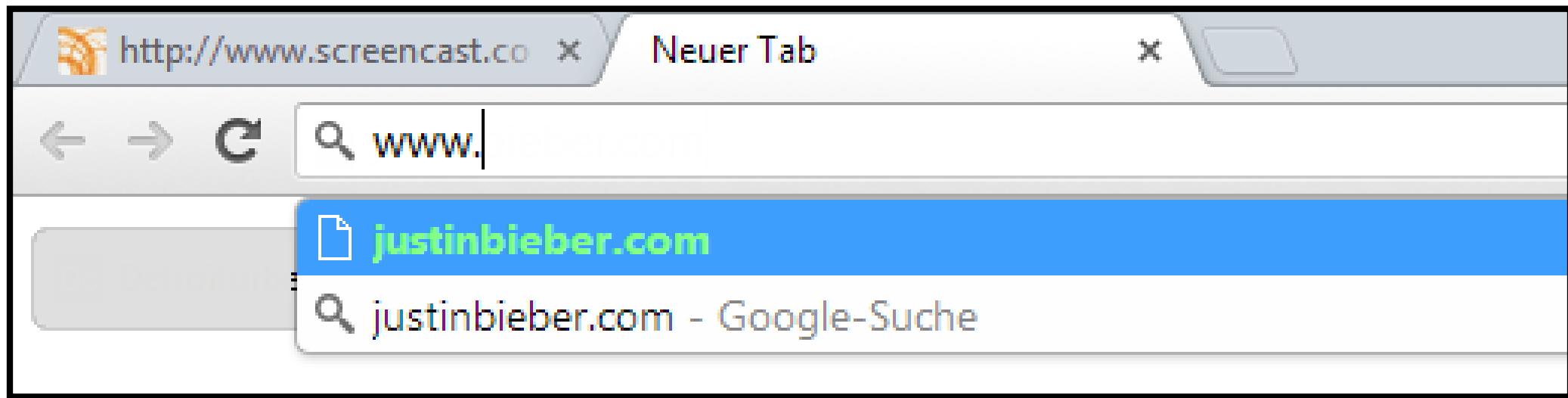


Verwenden Sie ein  
gutes Mikrofon.

# Screencasting Störfaktor



Des Nachbars neue Möbel



# Go!

Ein Video in unter einer Minute erstellt

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