





# FLIPPED CLASSROOM

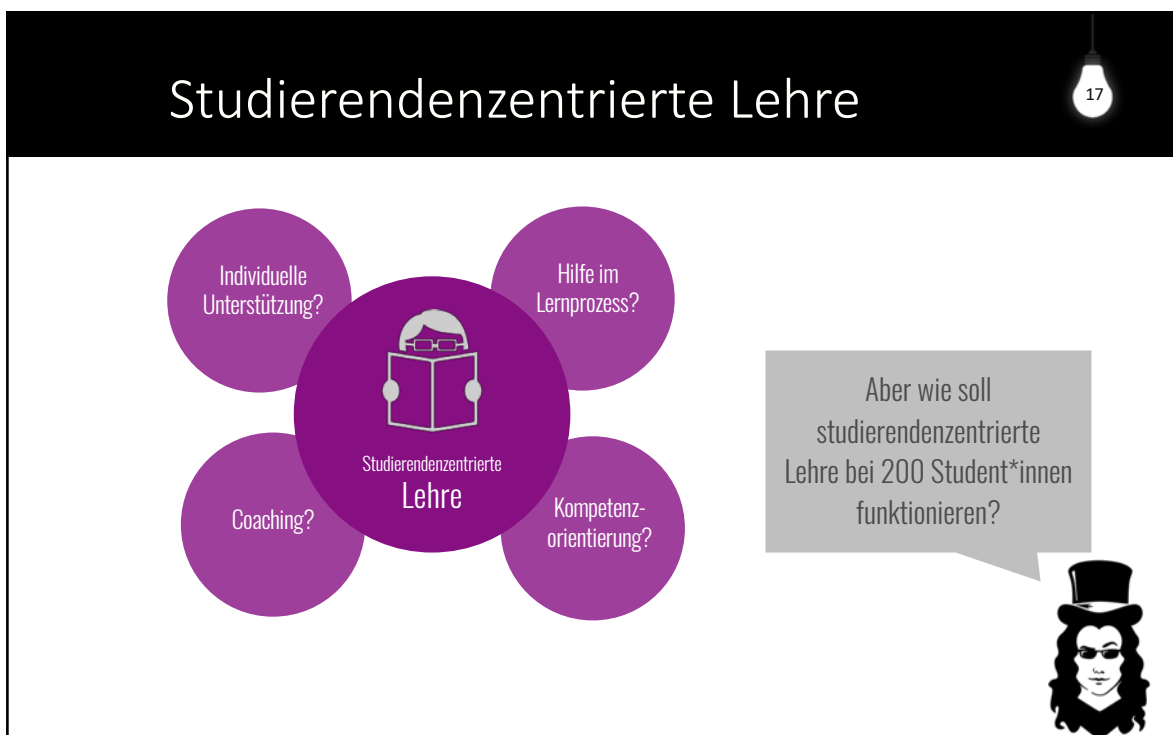
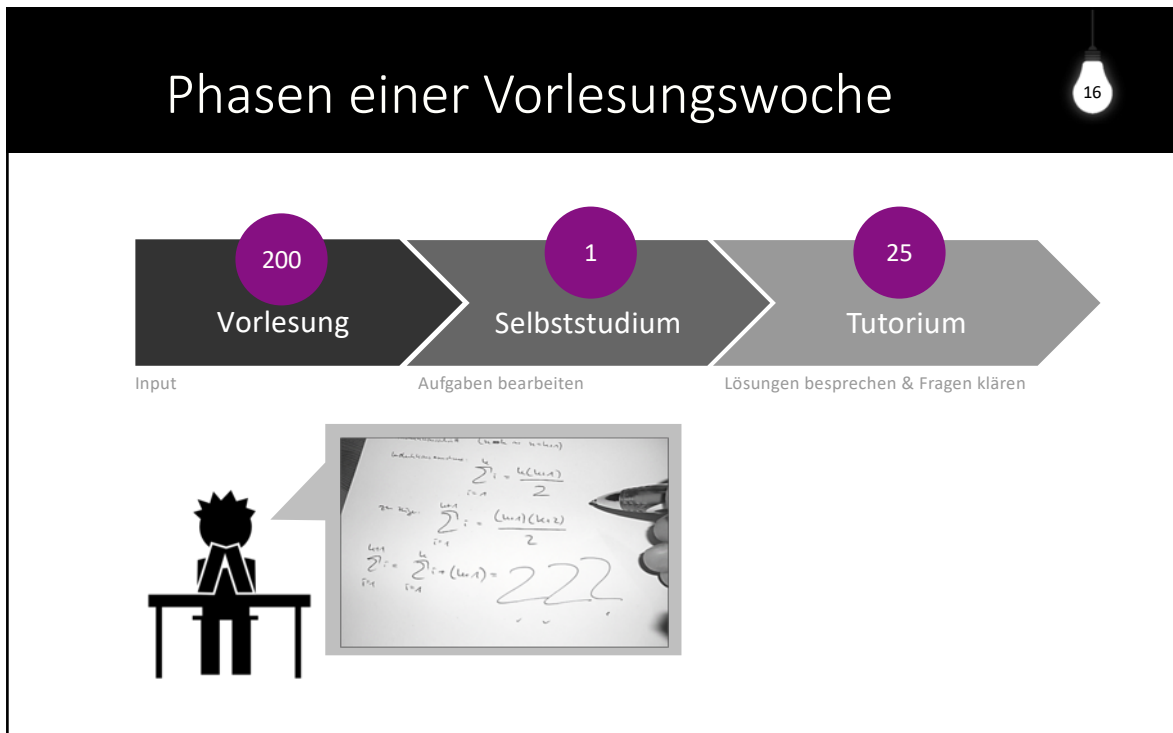
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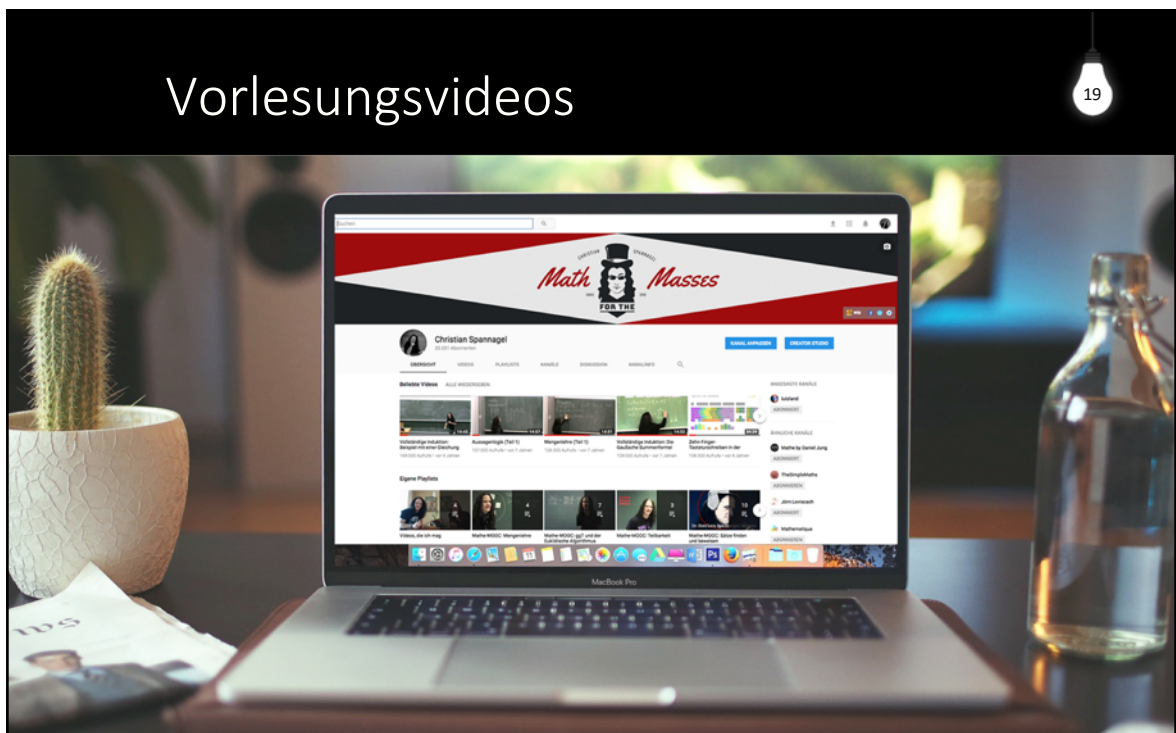
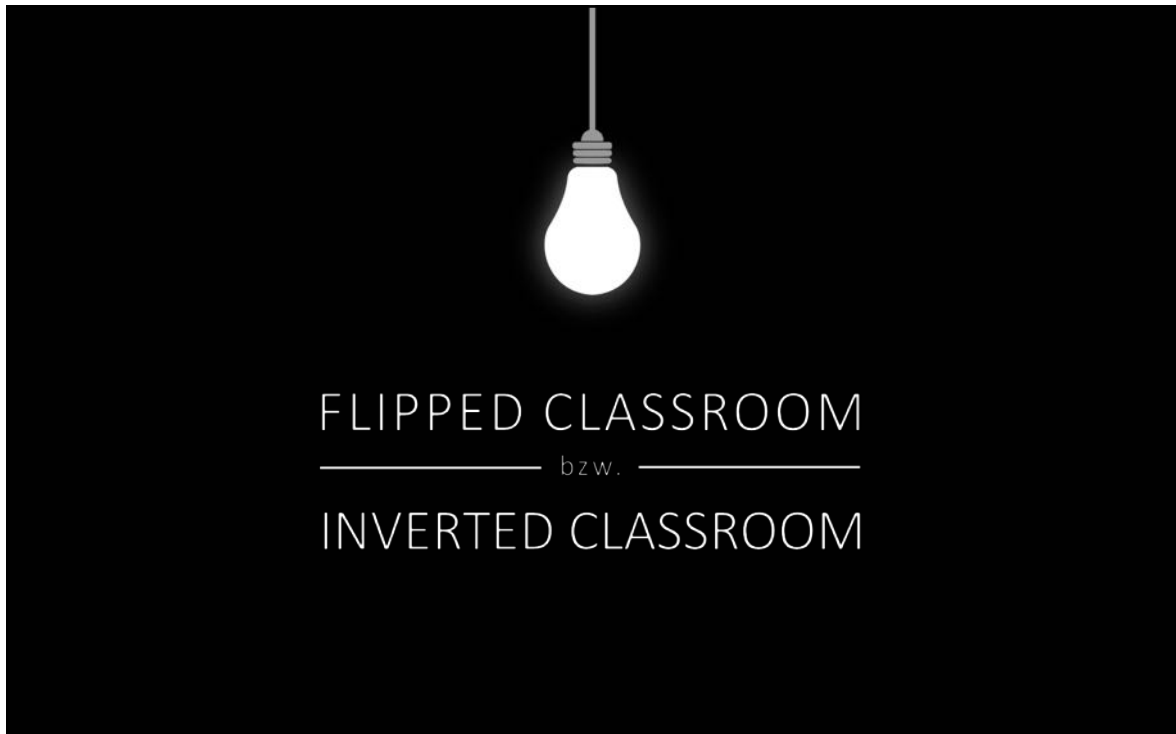
WIE MAN MIT DIGITALEN MEDIEN DEN  
UNTERRICHT IN SCHULE UND  
HOCHSCHULE „UMDREHT“

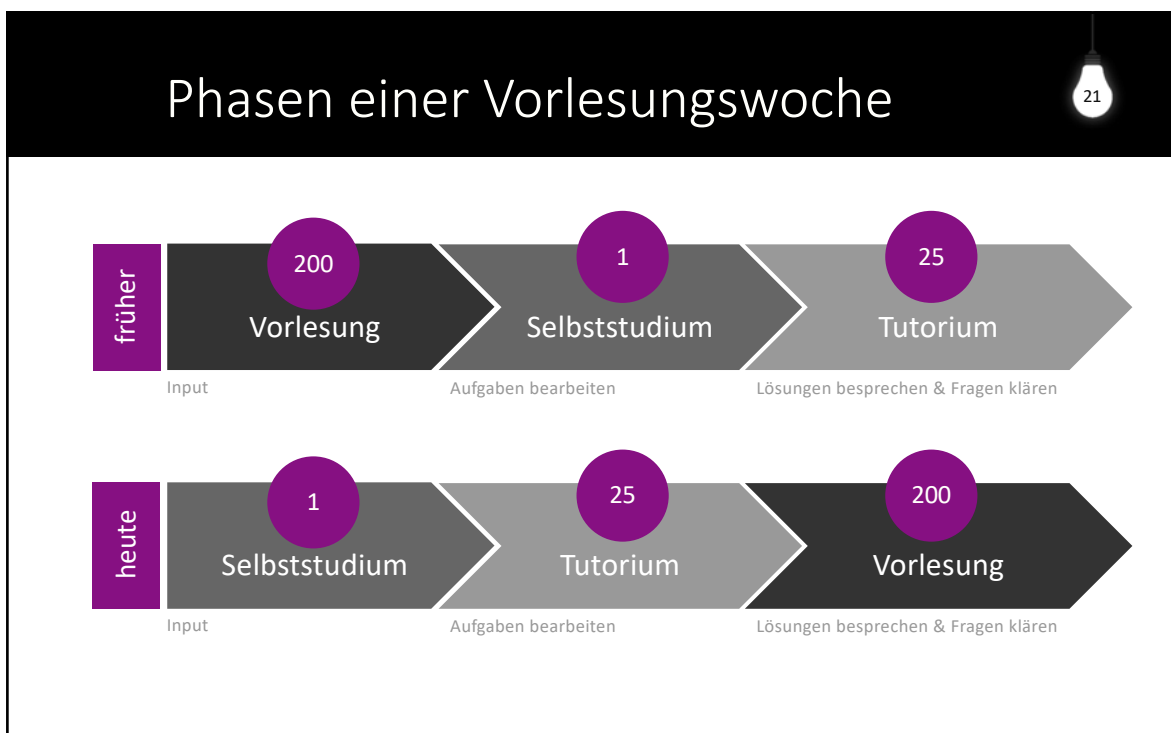
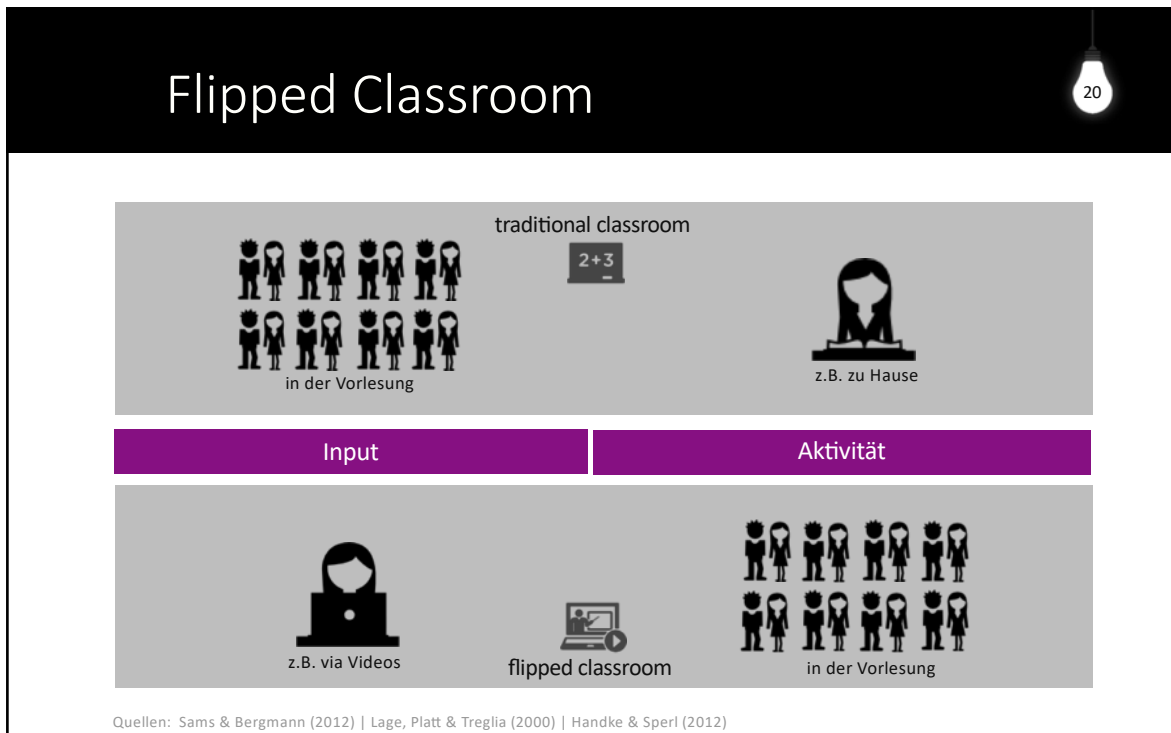
Christian Spannagel  
Pädagogische Hochschule Heidelberg

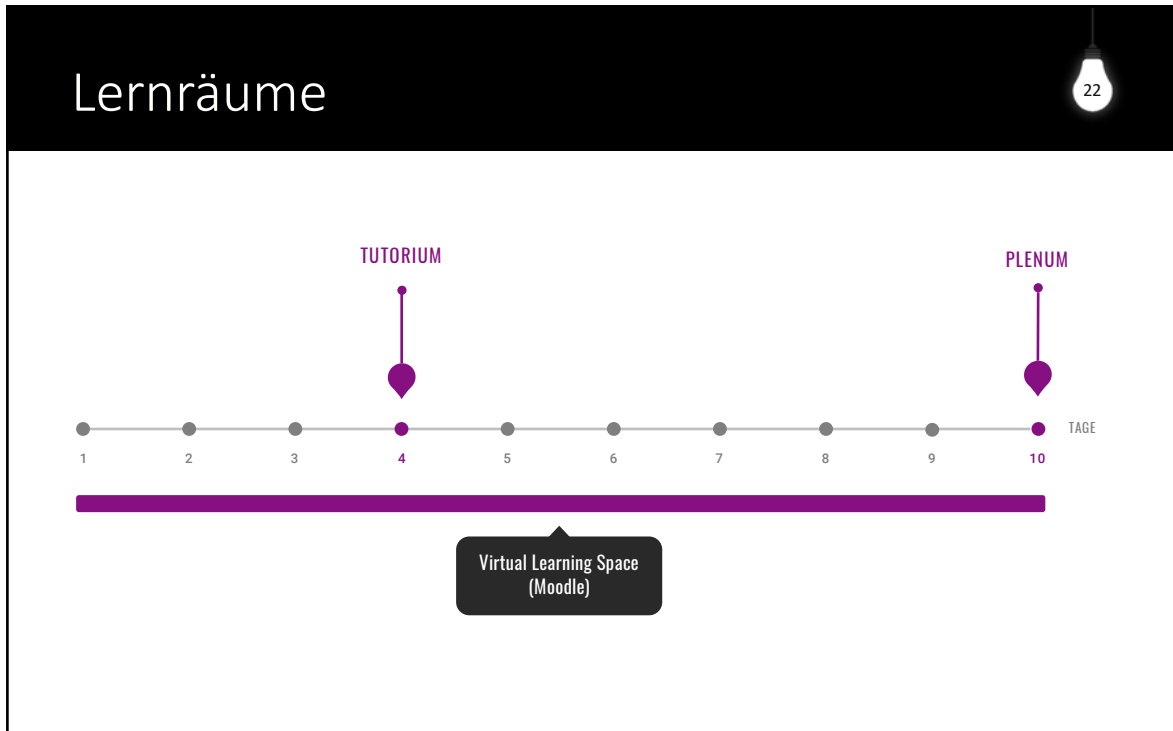
## Meine Motivation







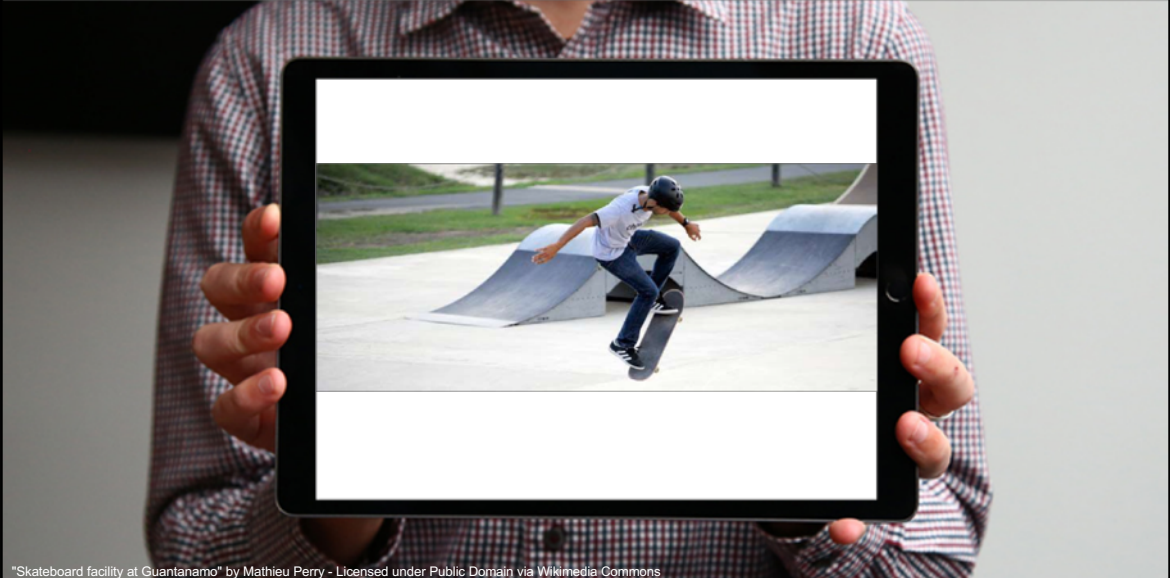






WARUM DENN  
—— eigentlich ——  
VIDEOS NEHMEN?

Warum Videos?



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\*Skateboard facility at Guantanamo\* by Mathieu Perry - Licensed under Public Domain via Wikimedia Commons

# Warum Videos?

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„Frets, guitar neck, C-major chord“. Lizenziert unter Gemeinfrei über Wikimedia Commons – [http://commons.wikimedia.org/wiki/File:Frets,\\_guitar\\_neck,\\_C-major\\_chord.jpg#/media/File:Frets,\\_guitar\\_neck,\\_C-major\\_chord.jpg](http://commons.wikimedia.org/wiki/File:Frets,_guitar_neck,_C-major_chord.jpg#/media/File:Frets,_guitar_neck,_C-major_chord.jpg)

# Warum Videos?

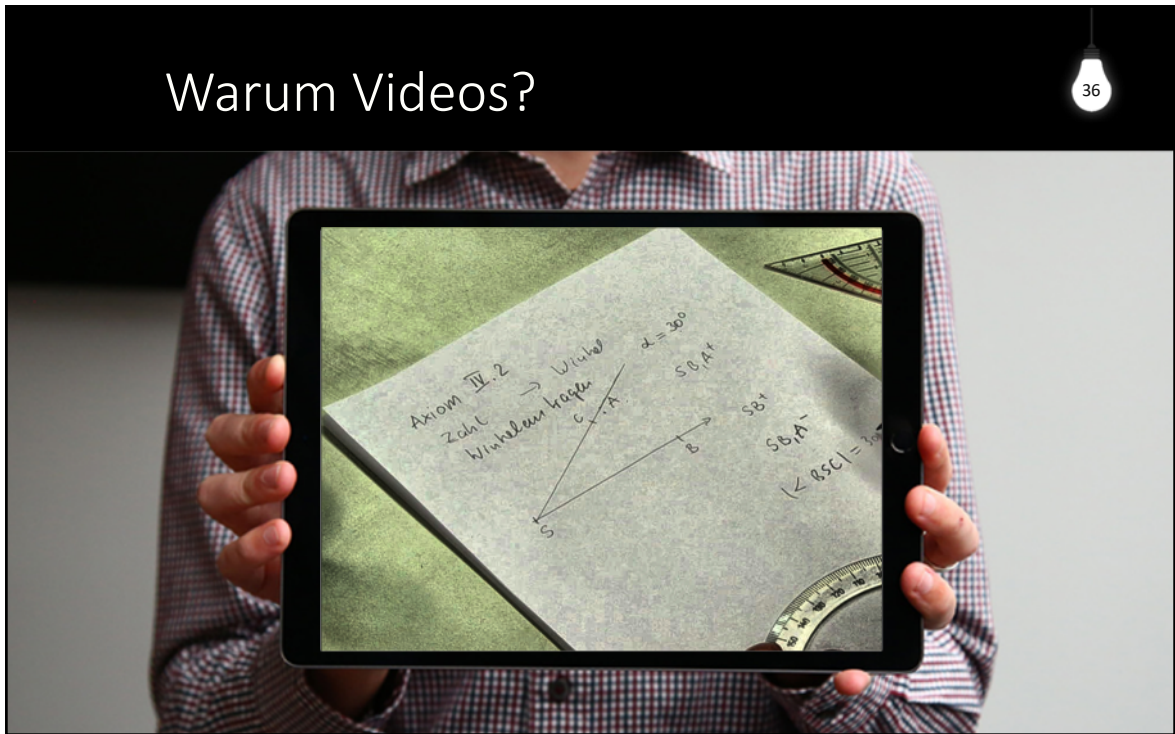
35



Foto von Aido2002 - [http://commons.wikimedia.org/wiki/File:IPhone\\_SIM\\_Slot.jpg](http://commons.wikimedia.org/wiki/File:IPhone_SIM_Slot.jpg) – CC-BY-SA 2.5

# Warum Videos?

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# Mathematik ist Prozess!

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Problemlösen

beweisen

formalisieren

definieren

Darstellungen verwenden

Muster erkennen und beschreiben

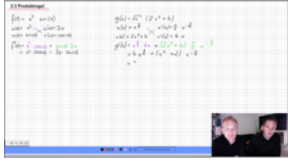







FLIPPED CLASSROOM  
In der  
SCHULE?


## Flipped Classroom im Matheunterricht?



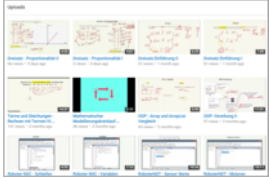
Felix Fähnrich & Carsten Thein  
[www.fliptheclassroom.de](http://www.fliptheclassroom.de)  
<https://www.fliptheclassroom.de/project/2-3-produktregel/>



Sebastian Schmidt  
[www.flippedmathe.de](http://www.flippedmathe.de)



Sebastian Stoll  
[www.180grad-flip.de](http://www.180grad-flip.de)



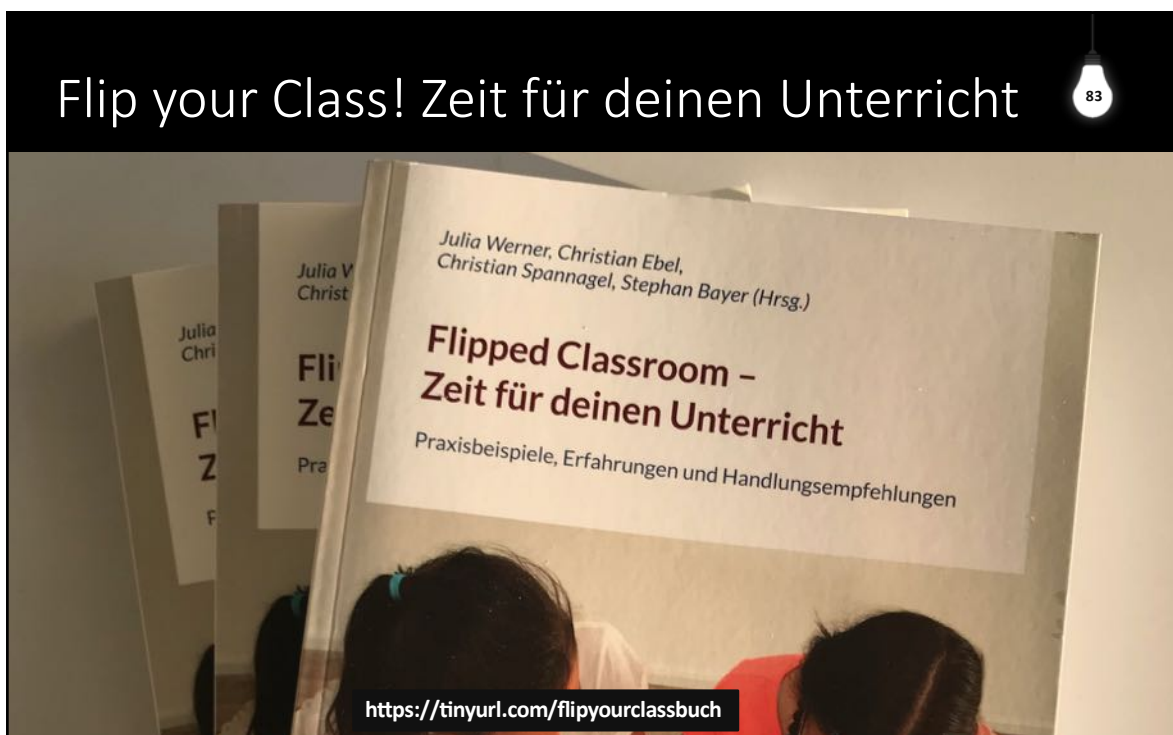
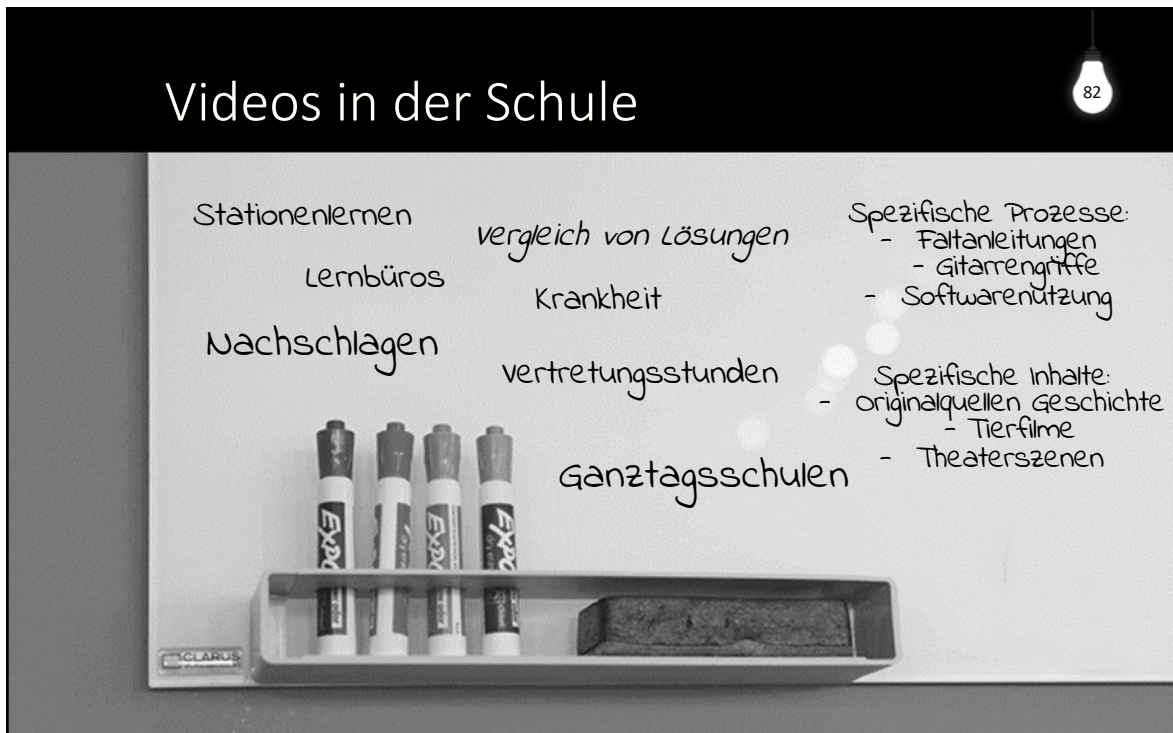
Alexandra Kück  
[alexkueck11](https://www.alexkueck11.de)

## Flipped Classroom in der Schule?



# Flip Your Class!


<http://www.flipyourclass.de>








Thanks!


Pädagogische Hochschule  
**HEIDELBERG**  
University of Education

 **Christian Spannagel**  
Pädagogische Hochschule Heidelberg


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 [/dunkelmunkel](https://facebook.com/dunkelmunkel)


 [spannagel@ph-heidelberg.de](mailto:spannagel@ph-heidelberg.de)

Design & Konzept  
**Svenja Günther**  
UX Designer





[/Svenja Günther](https://facebook.com/SvenjaGuenther) 

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Flipped Classroom im Web

 <http://tinyurl.com/umgedrehtemathevorlesung>

 <http://www.flipyourclass.de>