Conference University of Copenhagen Make a difference – teach and learn with technology

WORKSHOP

November 12, 2015

University students of tomorrow?



The National Research-, Development- and Network Project

Teaching Organisation, Teaching Forms/Methods and Teaching Media
- seen across
subjects
in
upper secondary education

2010-2014

Funded by The Danish Ministry of Education



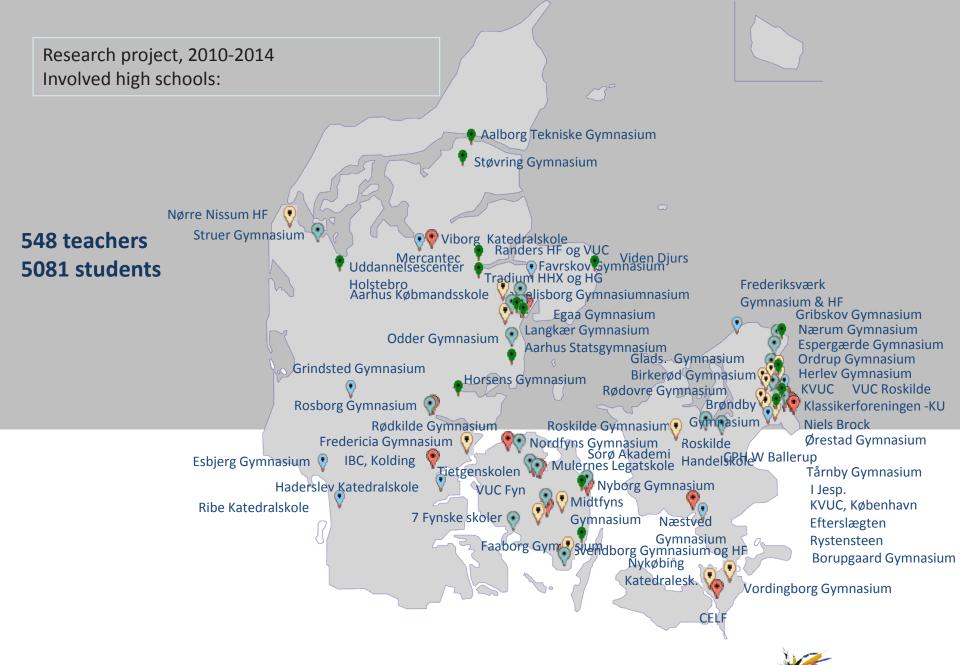
Plan

The research project, - frame and findings

Discussion in groups, "keyword-production"

"Post-its walk and talk"





Overriding Purpose of Research Project

Focus on rethinking - to be used in relation to:

New forms of teaching organizations, including feedback, evaluation, supervising, etc.

Student/teacher roles and functions

Learning resources (paper/digital media)

Assignment and assessment formats (paper/digital media)

Teaching activities -Student activation

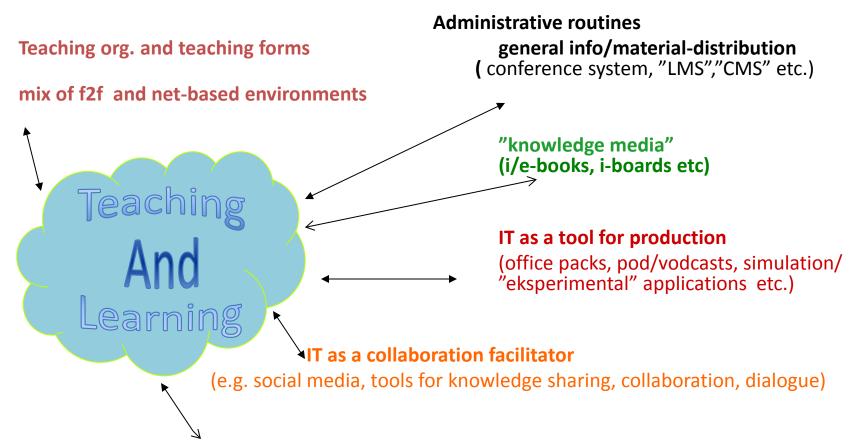
Allocated time/place to homework/assignments

Leadership, role(s), school project support, implementation of new knowledge, school development and (ICT)-strategy



IT-usage in teaching – some perspectives

Net-based teaching and learning technologies to underpin communication processes



IT as a learning process facilitator:

The individual dimension (e.g. skill s training, academic programmes, podcasts)



Empirical research design

A consecutive research design (inspired by systems theory)

Focus on communication

Data collection methods:

Observations (classroom)

Group interviews (teacher, students)

Net-mediated communication (lurking)

Selective representation of the field of study (qualitative analysis)

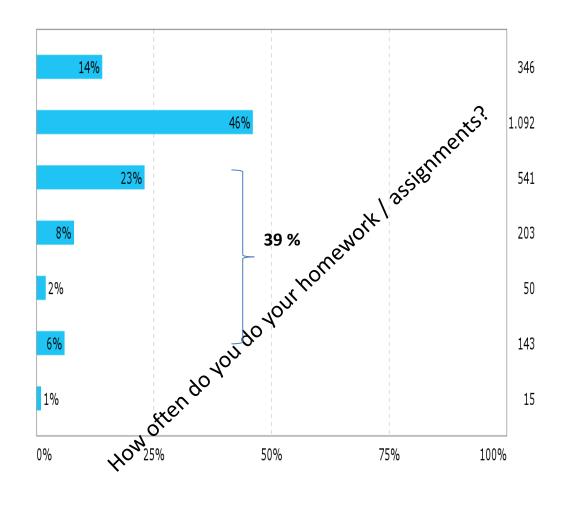
Questionnaire survey

"Full" representation of the field of study (quantitative analysis, response rate about 80%)



Homework

Jeg laver altid mine lektier/opgaver Jeg laver ofte mine lektier/opgaver Jeg laver af og til mine lektier/opgaver Jeg laver sjældent mine lektier/opgaver Jeg laver aldrig mine lektier/opgaver Det varierer meget fra fag til fag Ved ikke





General professional level

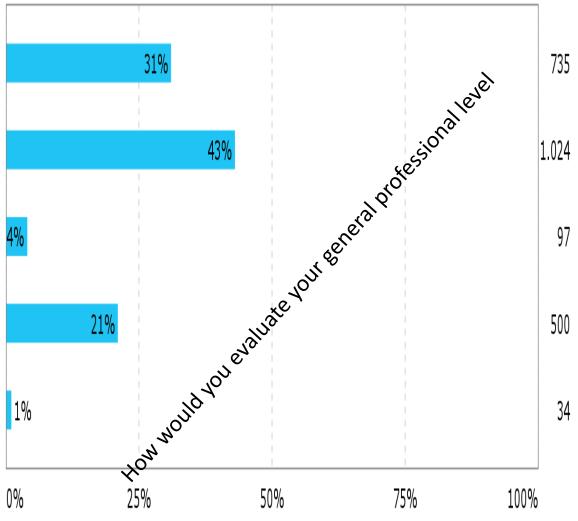
Jeg hører til de fagligt stærkeste i klassen

Jeg hører til den faglige midtergruppe

Jeg hører til de fagligt svageste i klassen

Mit faglige niveau varierer meget fra fag til fag

Ved ikke





How often do you do your homework / assignments? And How would you evaluate your general professional level?

Jeg hører til de fagligt stærkeste i klassen

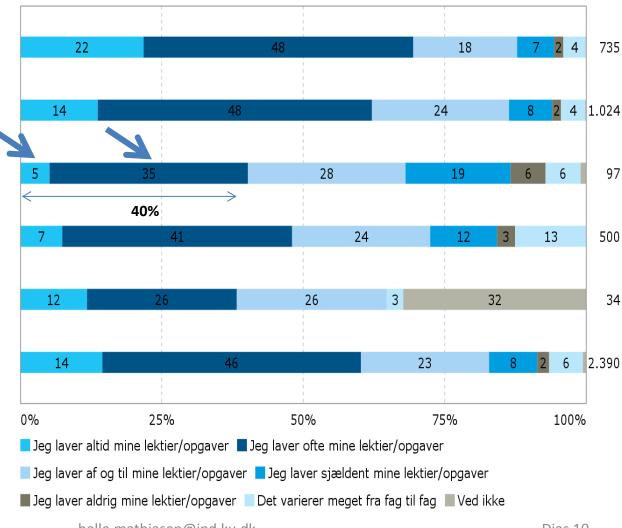
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Mit faglige niveau varierer meget fra fag til fag

Ved ikke

I alt





How often do you do your homework / assignments? And How would you evaluate your general professional level?

Jeg laver altid mine lektier/opgaver

Jeg laver ofte mine lektier/opgaver

Jeg laver af og til mine lektier/opgaver

Jeg laver sjældent mine lektier/opgaver

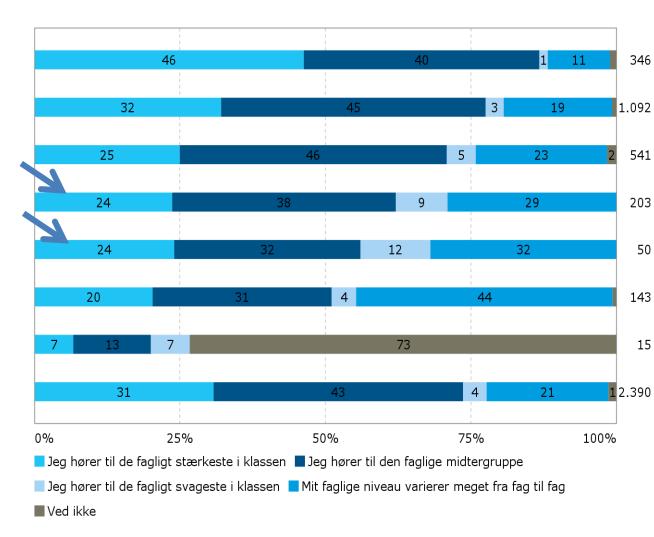
Jeg laver aldrig mine lektier/opgaver

Det varierer meget fra fag til fag

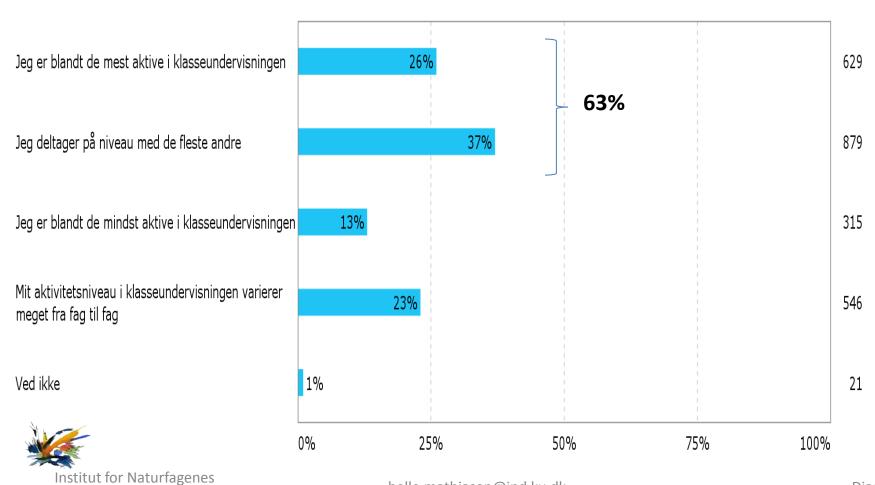
Ved ikke

I alt





How would you in general evaluate your activity level in class?



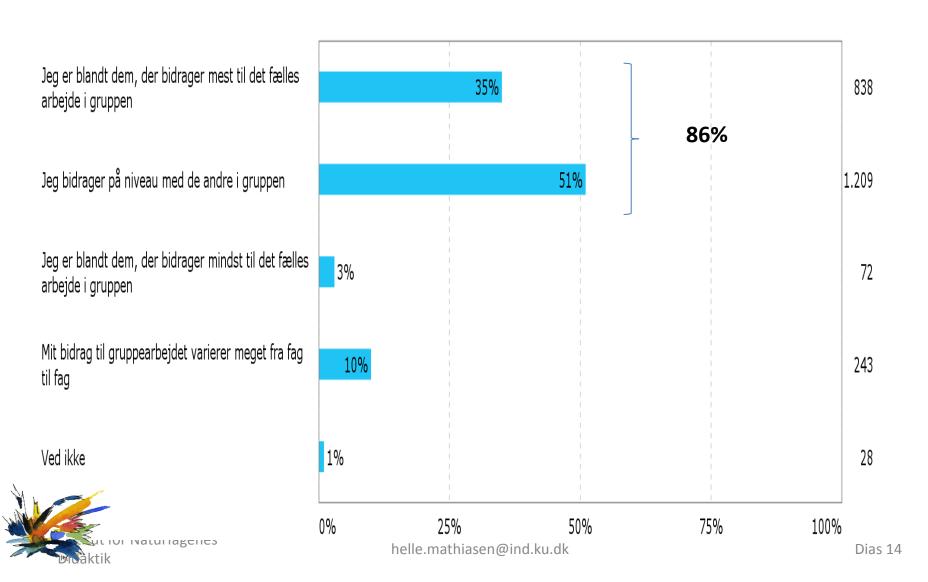
Didaktik

How would you in general evaluate your activity level in class? And How would you evaluate your general professional level?

3 Jeg hører til de fagligt stærkeste i klassen 63 735 Jeg hører til den faglige midtergruppe 16 19 1.024 Jeg hører til de fagligt svageste i klassen 43 97 Mit faglige niveau varierer meget fra fag til fag 17 55 500 Ved ikke 15 18 41 34 I alt 26 13 23 2.390 0% 25% 50% 75% 100% ■ Jeg er blandt de mest aktive i klasseundervisningen ■ Jeg deltager på niveau med de fleste andre Jeg er blandt de mindst aktive i klasseundervisningen ■ Mit aktivitetsnivællei klassbundervi@ningerkvarlerer meget fra fag til fag ■ Ved ikke

ıs 13

How would you in general evaluate your activity level in group work?



How would you in general evaluate your activity level in group work?

And How would you evaluate your general professional level?

59 Jeg hører til de fagligt stærkeste i klassen 735 29 Jeg hører til den faglige midtergruppe 1.024 Jeg hører til de fagligt svageste i klassen 13 20 10 97 Mit faglige niveau varierer meget fra fag til fag 3 500 18 26 15 41 Ved ikke 34 I alt 35 2.390 10 0% 75% 100% 25% 50% Jeg er blandt dem, der bidrager mest til det fælles arbejde i gruppen ■ Jeg bidrager på niveau med de andre i gruppen Jeg er blandt dem, der bidrager mindst til det fælles arbejde i gruppen



■ Mit bidrag til gruppearbejdet varierer meget fra fag til fag ■ Ved ikke

The students' written answers to the "open question":

If you could describe the perfect teaching environment in upper secondary education, what would that look like? What teaching materials, teaching forms/methods, it- tools etc. should/should not be included?

3605 student answers



5% of the answers – the short ones

"I don't know. It depends on my mood, my energy level and how much I have slept"

"success experiences"	"Then it's no	ot the same every time. Surprise me"
		"quick, simple and fun"
"quiet and peaceful"	"authoritarian pedagog	y!" "sports"
"fun"	"shorter days"	"practical"
"LoL"	"A happy and prepared teacher,	an interested class. The teaching is varied."
"when I do well"	"physics"	"Good classmates"
	"without a teacher"	"lots of smart teachers"
"when I am good" "The teacl	"everyone is included' her is hot"	"academic success"

"good atmosphere in class"

"[...]Facebook and computer removes the life energy and desire to learn in class, it sucks often all energy and concentration, and assign the class in a zoombie mode - quite seriously. It is deeply frustrating and problematic [...]"

"[...] my experience tells me that about 20 of the 23 students in my class everyone is on facebook in the course of a day, many spend more time and focus on facebook than on teaching in the classroom (And my class is one of the better in the school ...) . I think that there is great potential in the idea, but I do not think that high school students have the discipline and morale yet .. [...]I am of the opinion that the student computers, at least in my class, inhibits the general learning significantly . [...] it reduces the level of teaching very much and it is deeply discouraging for me and probably everyone else in a similar situation "

Discussion in groups

Hands out: Student quotes

What do you think is important to note in the student quotes?

And

Post-it with your keywords

Why?



Students approaches to teaching and learning environments

Rethinking own teaching?

Teaching forms?

Using/producing learning resources?

Students' activities?

Students' roles and functions?

Student-teacher relations?



Thank you



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