Digitala verktyg för lärande?

Stefan Hrastinski Enheten för digitalt lärande, KTH

Överföring

Deltagande







Material Medium Mottagare





Slide 1 [00:00]



Slide 2 [00:38]

93% Lärplattform

68% Video (inspelad)

63% Video (live)

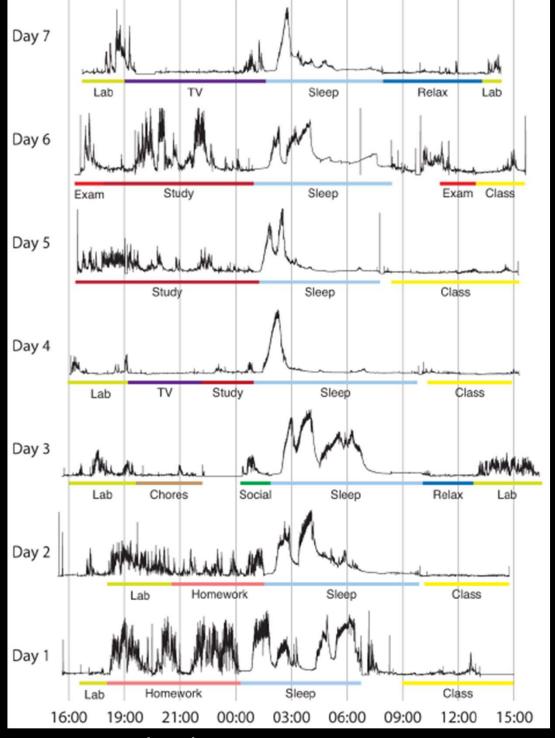
57% Mobil teknik

- Fokus på överföring av information.
- Studenter lär sig mindre när de inte interagerar med lärare, varandra och kursmaterial.
- Drar inte nytta av mediets styrkor.
- Ensidigt fokus på video.

A Wearable Sensor for Unobtrusive, Long-Term Assessment of Electrodermal Activity

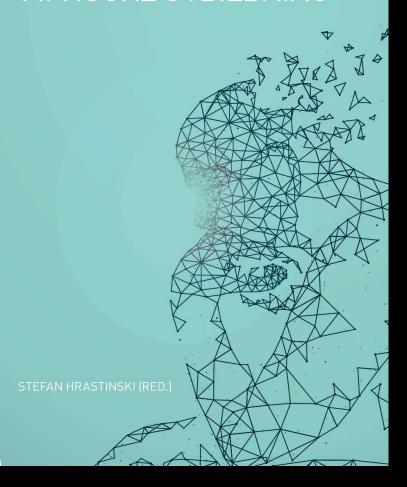
Ming-Zher Poh, Student Member, IEEE, Nicholas C. Swenson, and Rosalind W. Picard*, Fellow, IEEE





Poh, M. Z., Swenson, N. C., & Picard, R. W. (2010). A wearable sensor for unobtrusive, long-term assessment of electrodermal activity. IEEE Transactions on Biomedical Engineering, 57(5), 1243-1252.

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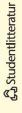




Photo by Blaz Photo on Unsplash





Material Medium Mottagare





Övning & Feedback

Oct. 10 ~ DEC. 16, 2011



INTRODUCTION TO



In partnership with the Stanford University School of Engineering.

You can join this online worldwide class this fall.



Overview

Syllabus

FAQs

Creators

Pricing

Ratings and Reviews

Introduction to Public Speaking

> Enroll Started Sep 04

Financial Aid is available for learners who cannot afford the fee. Learn more and apply.

Introduction to Public Speaking

About this course: This course gives you a reliable model for preparing and delivering effective presentations.

In business, in school, and in public life, we are often called upon to "make a few comments." Often, people

More

Created by: University of Washington





Taught by: Dr. Matt McGarrity, Principal Lecturer
UW Department of Communication

Transaktionell distans

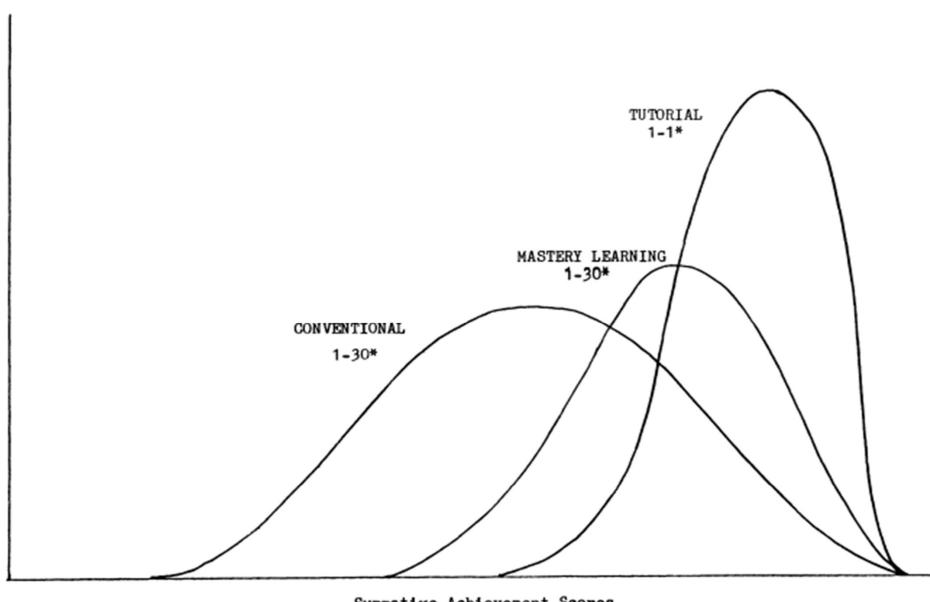
Struktur

Dialog

Autonomi



Anna Andersson, Högskolan Väst



Summative Achievement Scores

*Teacher-student ratio

Bloom, B. S. (1984). The 2 sigma problem: The search for methods of group instruction as effective as one-to-one tutoring. Educational Researcher, 13(6), 4-16.







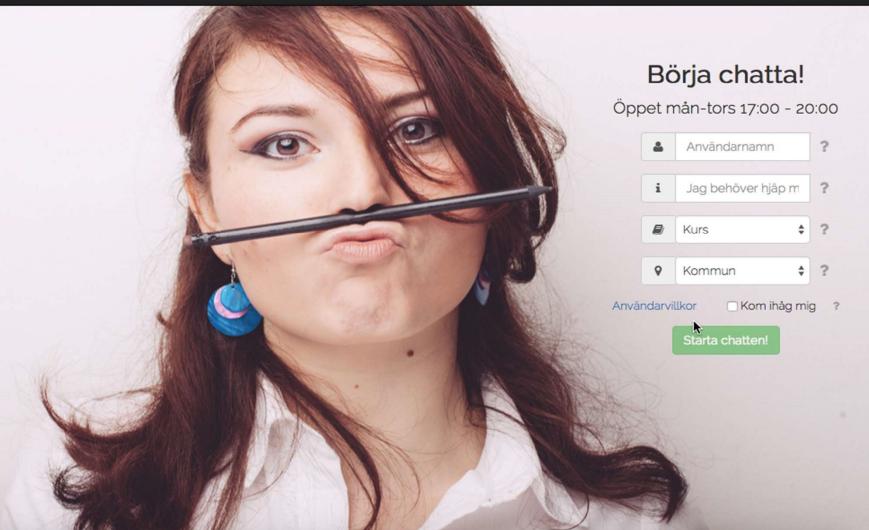












OM MATTECOACH +



Welcome!

TalkMath is a **real-time** communication tool for virtual classes, study groups and online tutoring.

Its **collaborative** tools were designed for **maths education**

CREATE A NEW ROOM (BETA)

JOIN EXISTING ROOM







"The study [of 73 courses] found that three general factors – *clarity of design, interaction with instructors, and active discussion among course participants* – significantly influenced students' satisfaction and perceived learning."

40,000 km



Is it true that you can fit about 1 million Earth's inside the Sun?



about a year ago by / Mramsouer

Circumference of Sun is 109 times the Earth's.

Circumference = 2*Pi*R. If R is Sun's radius, and r is Earth's, 2*Pi*R = 109 * 2*Pi*r, and R = 109 * r.

Volume = $4*Pi*R^3/3$

If V is Sun's volume, and v is Earth's,

 $V = 4*Pi*R^3/3$

 $v = 4*Pi*r^3/3$

 $V = 4*Pi*(109*r)^3/3 = 109^3 * 4*Pi*r^3/3$

 $V = 109^3 * v = 1,295,029 * v$

My colleagues above are right, Sun's volume is approximately 1,300,000 times the Earth's volume, or approximately 1.3 million Earths can fit within the Sun.







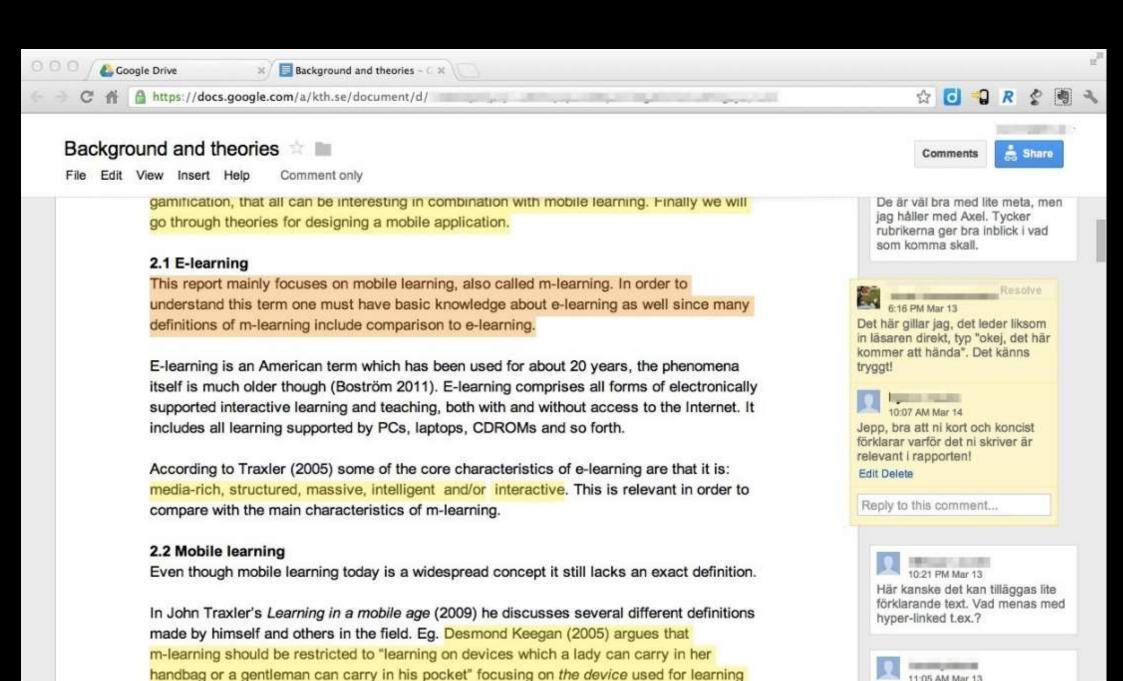




about a year ago by Ø Wilson Casado



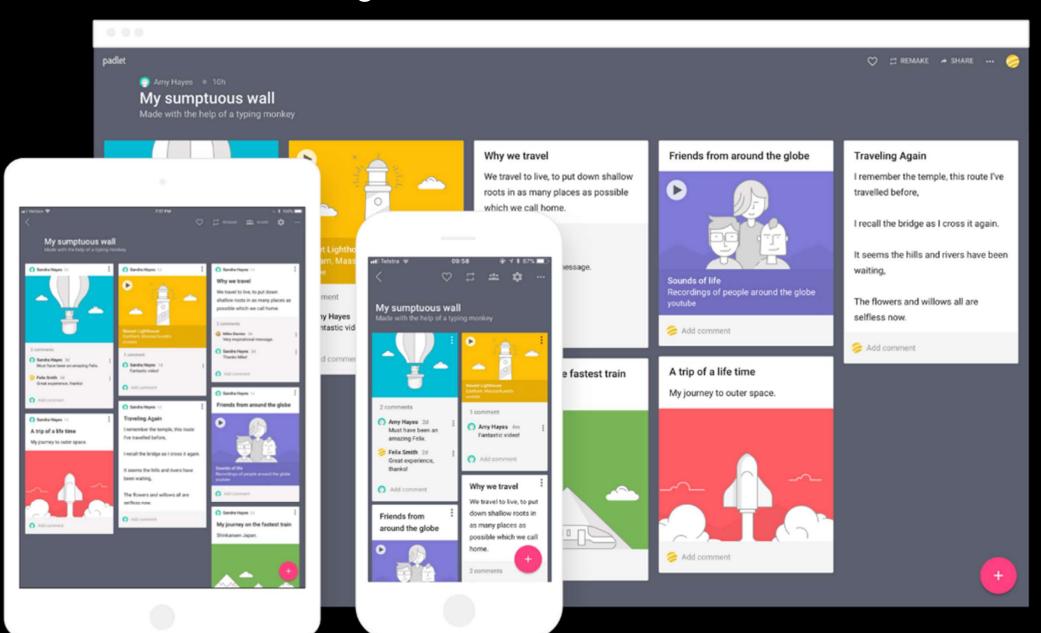
Show all 37 answers

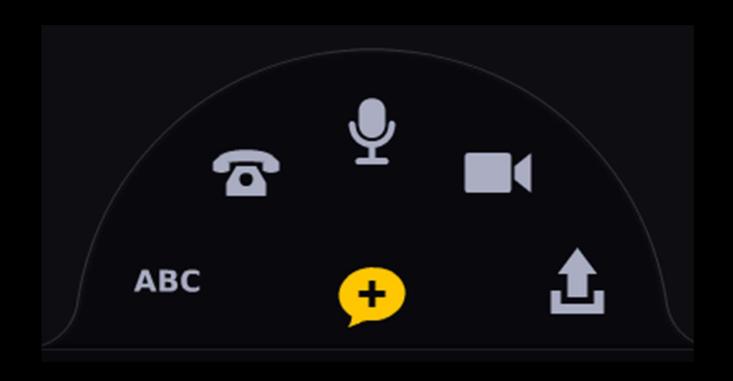


"On average, frequent posting by instructors did not lead to more student postings, and the more the instructors posted, the shorter were the lengths of the discussions overall."

Gemensam anslagstavla i idéhistoria

Jenny Eklöf, Umeå universitet





Audiovisuellt diskussionsforum i spansk grammatik

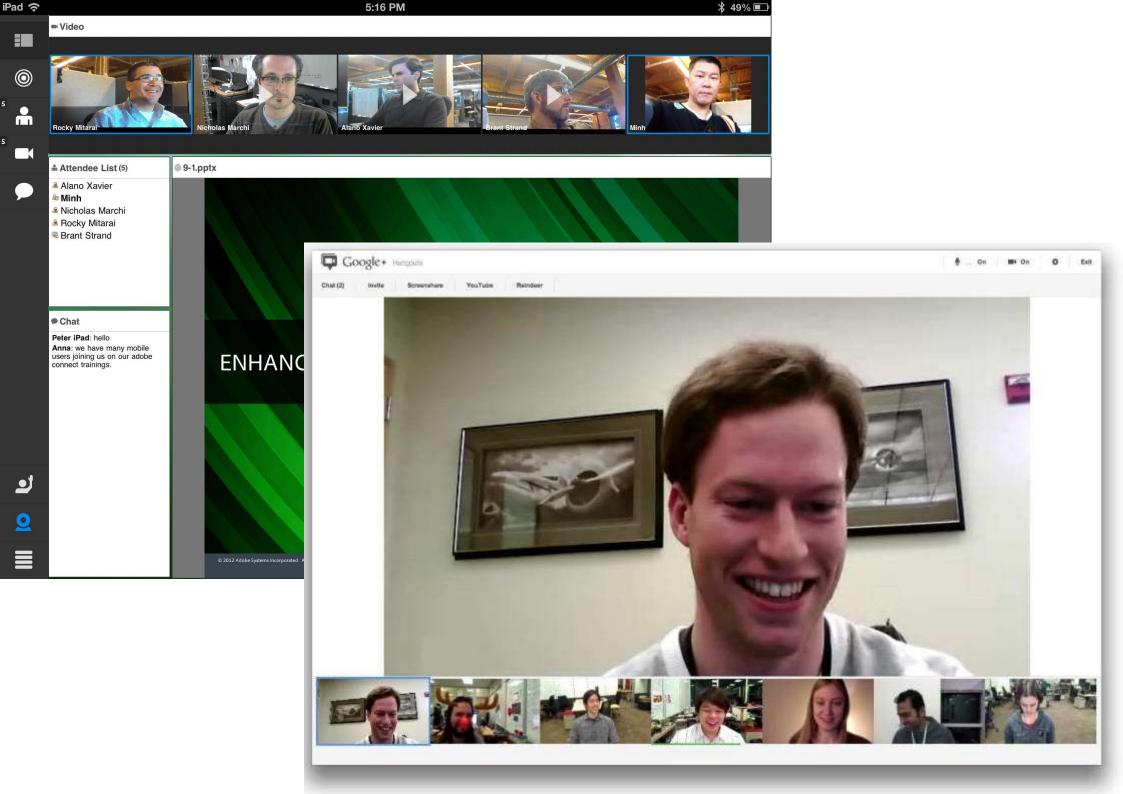
Linda Flores Ohlson, Göteborgs universitet

Community of inquiry

Cognitive Teaching presence

Social presence

Garrison, D. R., Anderson, T., & Archer, W. (2000). Critical inquiry in a text-based environment: Computer conferencing in higher education. *The Internet and Higher Education*, 2(2-3), 87-105.



Direkt (synkron) kommunikation

Svar direkt - motivation för discussion

Kan kännas mer socialt och bra för planering

Videokonferens, ansikte-mot-ansikte

Fördröjd (asynkron) kommunikation

Behöver inte svara direkt - mer tid för reflection

Potential för djuplärande eller icke-lärande

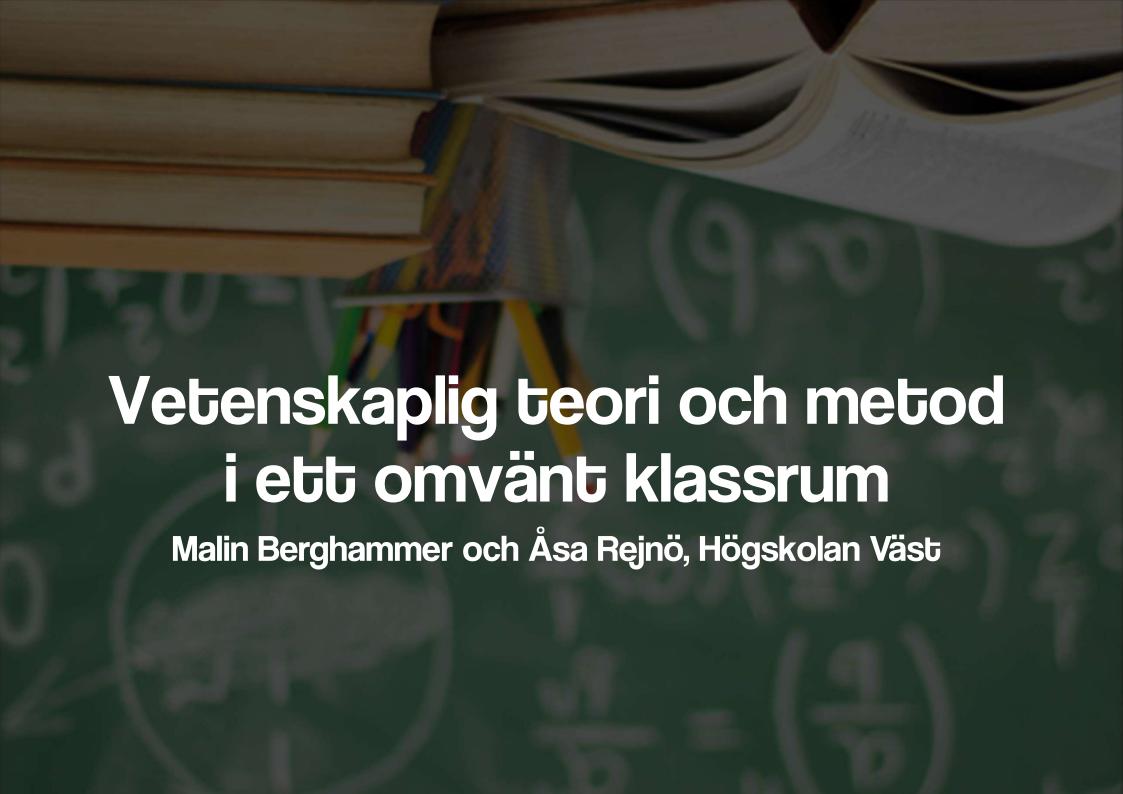
Diskussionsforum, blogg, wiki, inspelad video

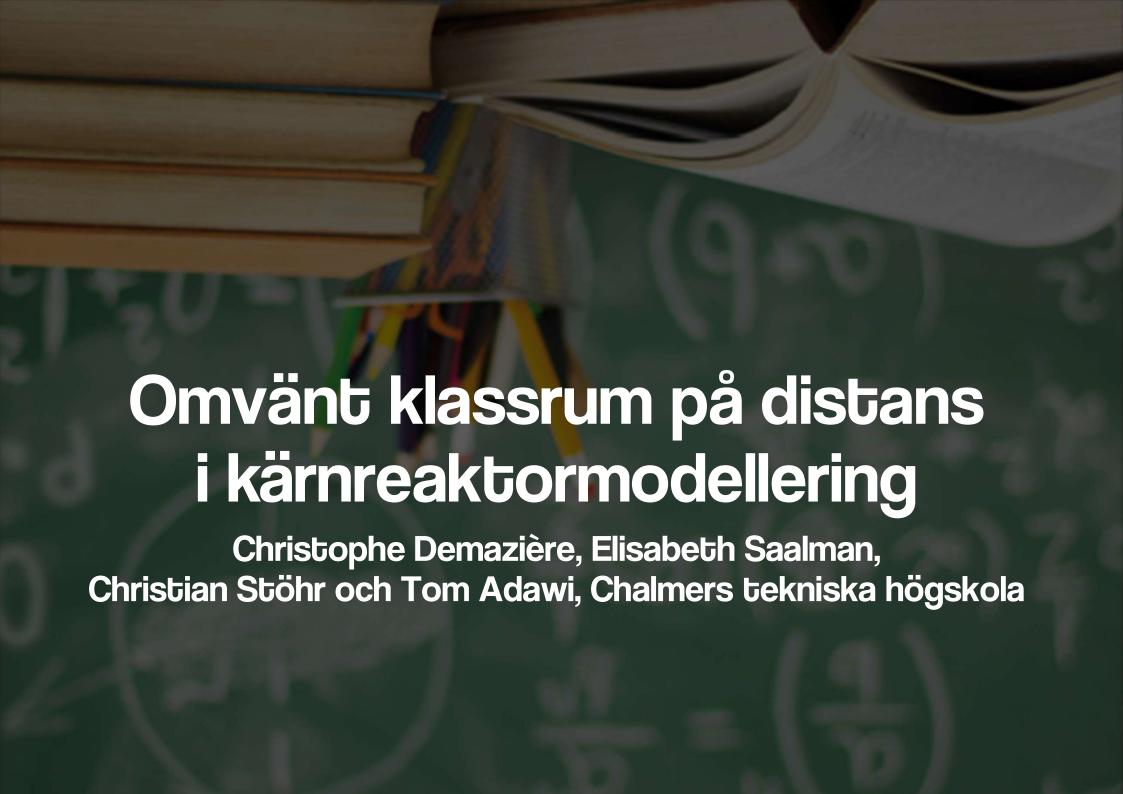
Studentpoddar i nutrition Frode Slinde, Göteborgs universitet

Studentpresentationer i pedagogik

Elinor Adenling och Monica Liljeström Umeå universitet





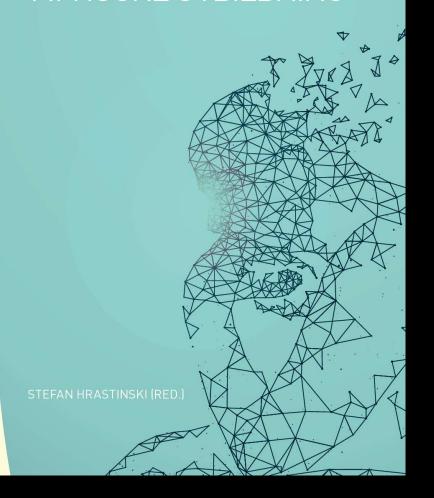


- Liten effekt på studieresultat (n=114).
- Ingen effekt på studenters nöjdhet (n=22).
- Signifikant förbättrade studieresultat när andelen tid i klassrum inte reducerades.
- Signifikant förbättrade studieresultat när quizzar användes som ett komplement.





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岛 Studentlitteratur

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