



overzicht presentatie

ontwikkelingen in samenleving en onderwijs

verkenning van de leerprocessen in het hbo

effectieve inzet van technologie in leerproces

onderzoek naar effectieve inzet van technologie

vragen/discussie over herontwerp onderwijs

A photograph of a person climbing a large, leafy tree against a clear blue sky. The person is seen from the back, wearing a dark jacket and a backpack, with their legs extended as they ascend. The tree's branches are thick and covered in green leaves.

ontwikkelingen in de samenleving

→ kennisintensieve samenleving

→ professional als kenniswerker

→ arbeidsmarkt en flexibilisering

→ noodzaak tot leven-lang-leren

→ internet + nieuwe technologie

→ opereren in virtuele netwerken

A photograph of an empty lecture hall or classroom. Rows of black chairs with attached desks are arranged in a tiered fashion, facing towards the front of the room. The floor is made of light-colored wood.

ontwikkelingen in het onderwijs

→ heterogene studentpopulatie

→ vraag naar maatwerk trajecten

→ leren in [in]formele netwerken

→ autonoom [inhoud en proces]

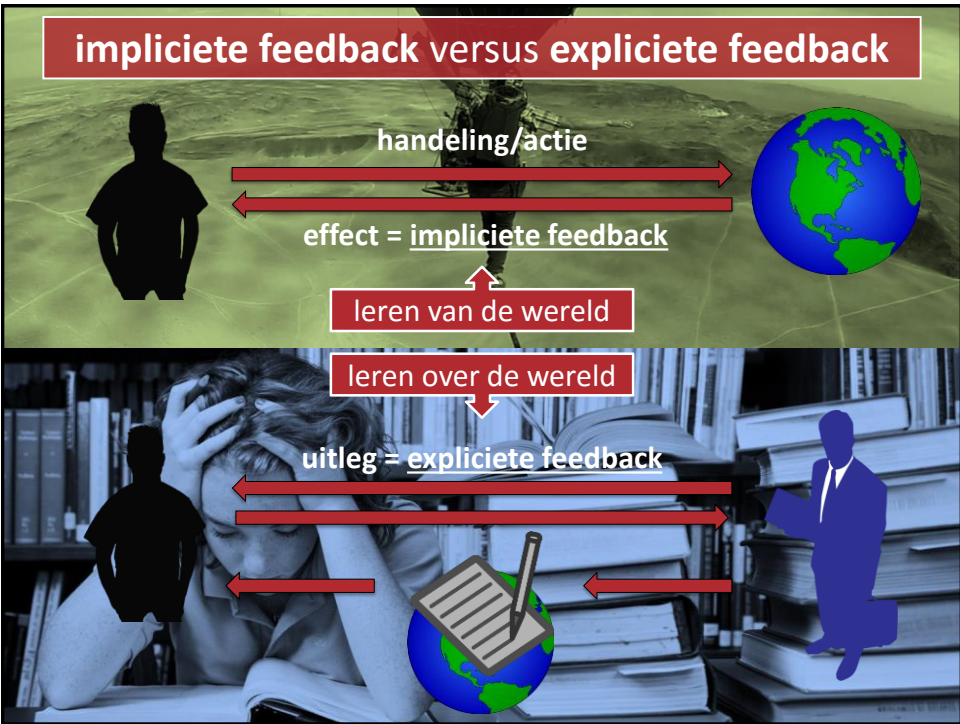
→ leren in de onderwijsindustrie

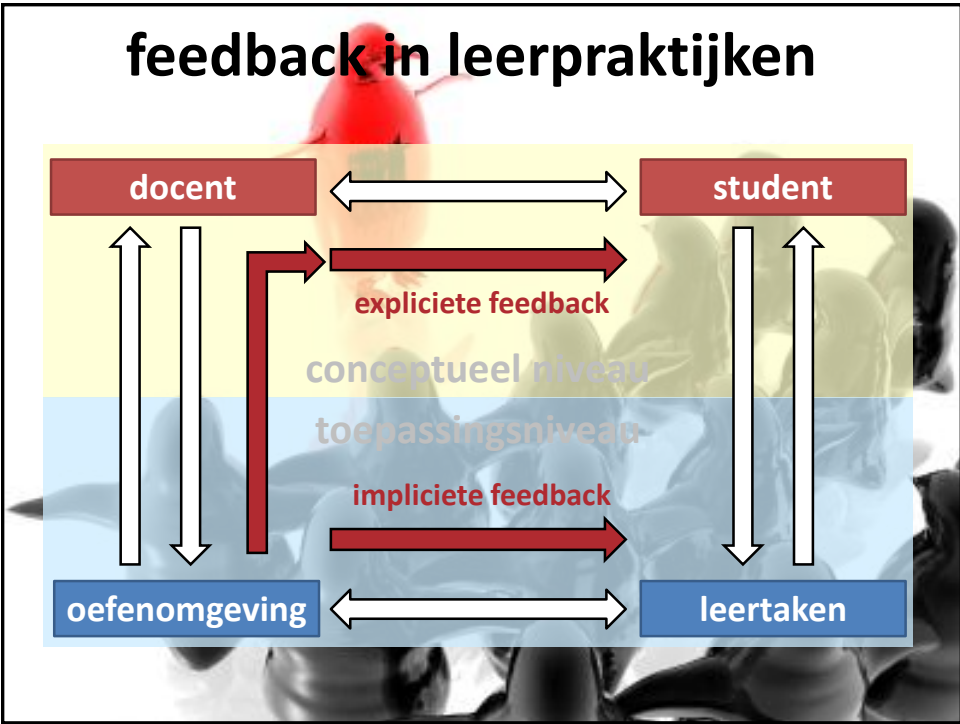
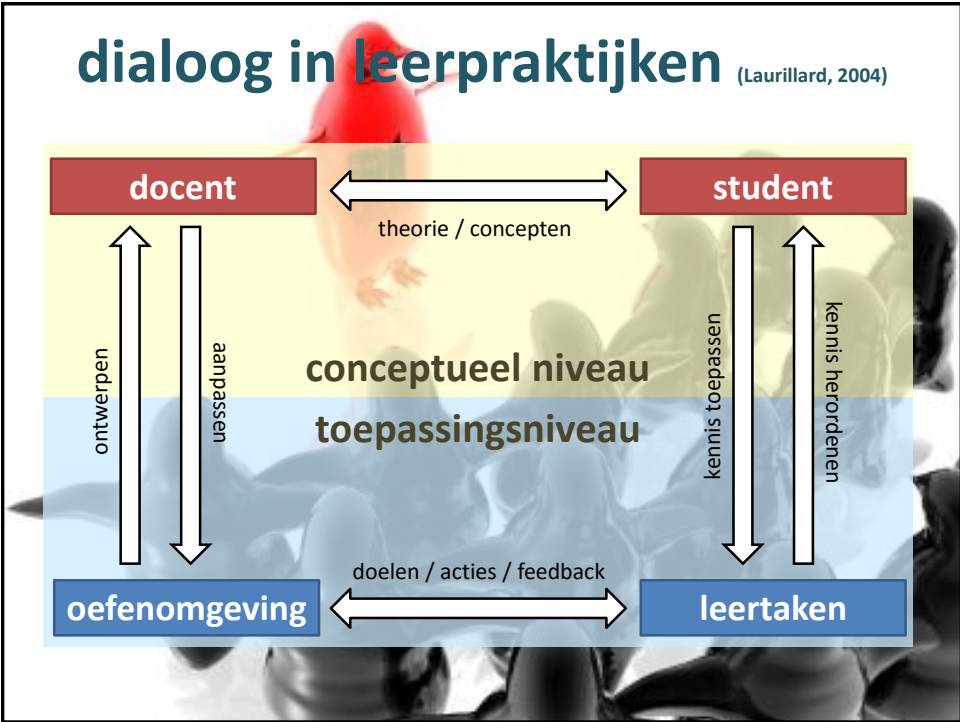
→ overwegend kennisoverdracht











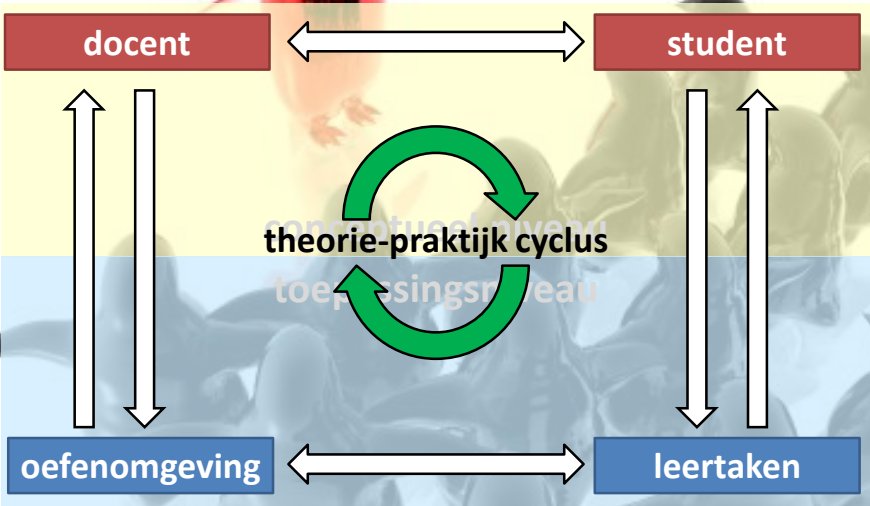
effectgrootte van interventies

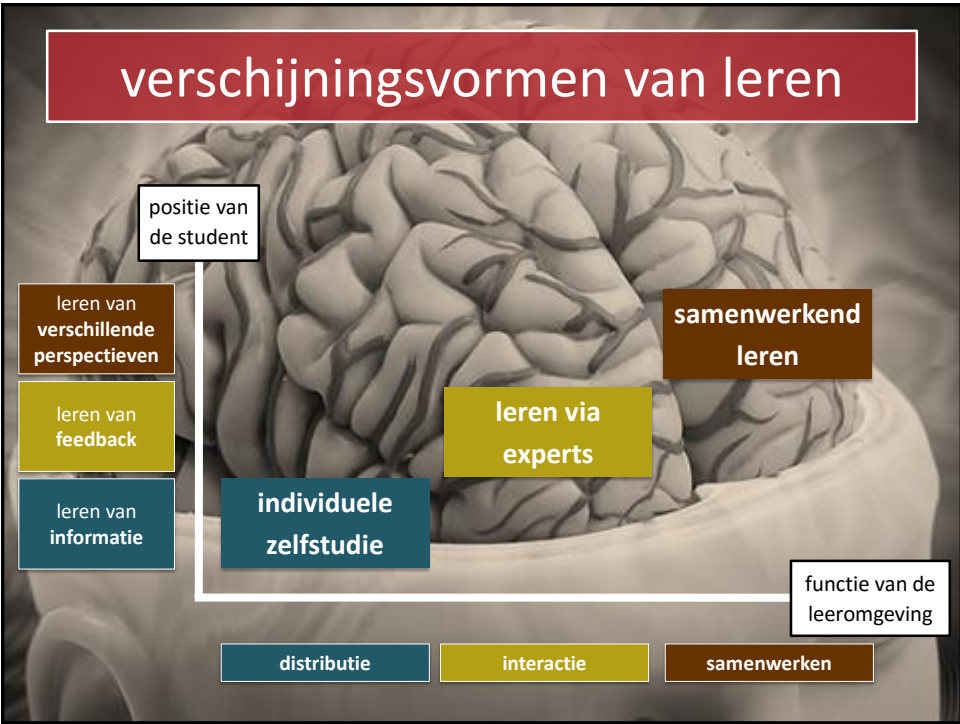
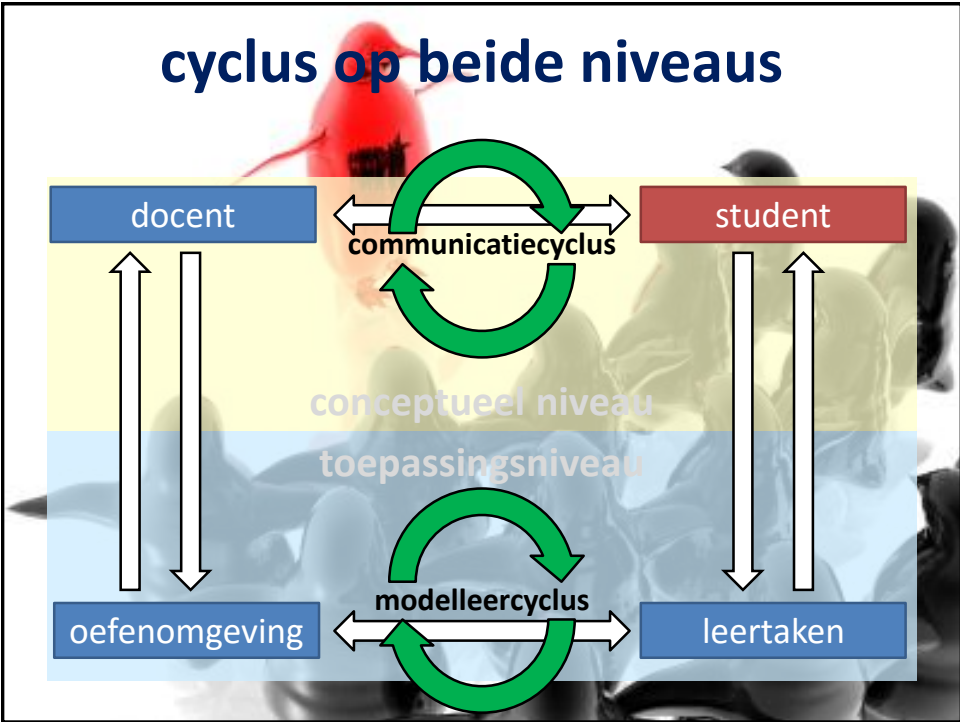
Hattie, J. (2009). *Visible learning: A synthesis of 800 meta-analyses.*

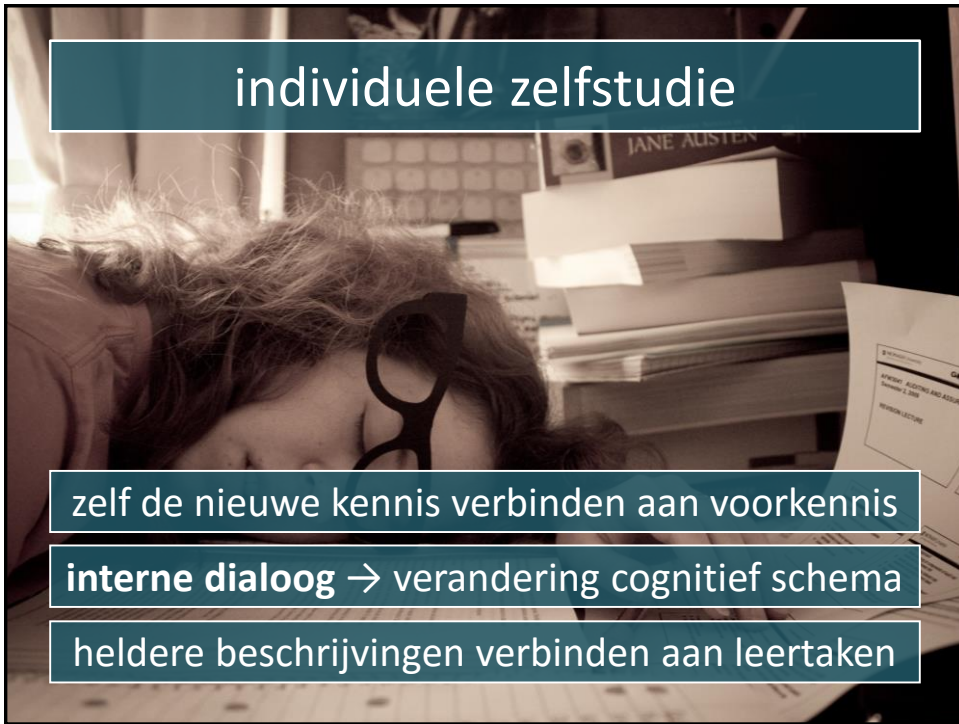
feedback [teacher] → $d = 0.73$

self-questioning [student] → $d = 0.64$

theorie-praktijk cyclus







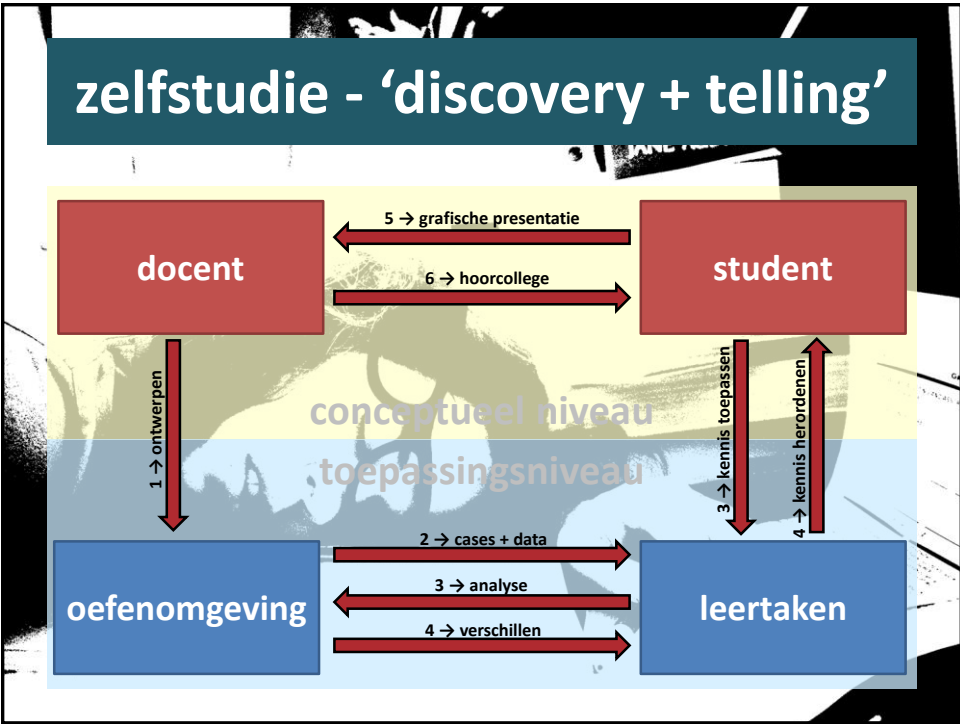
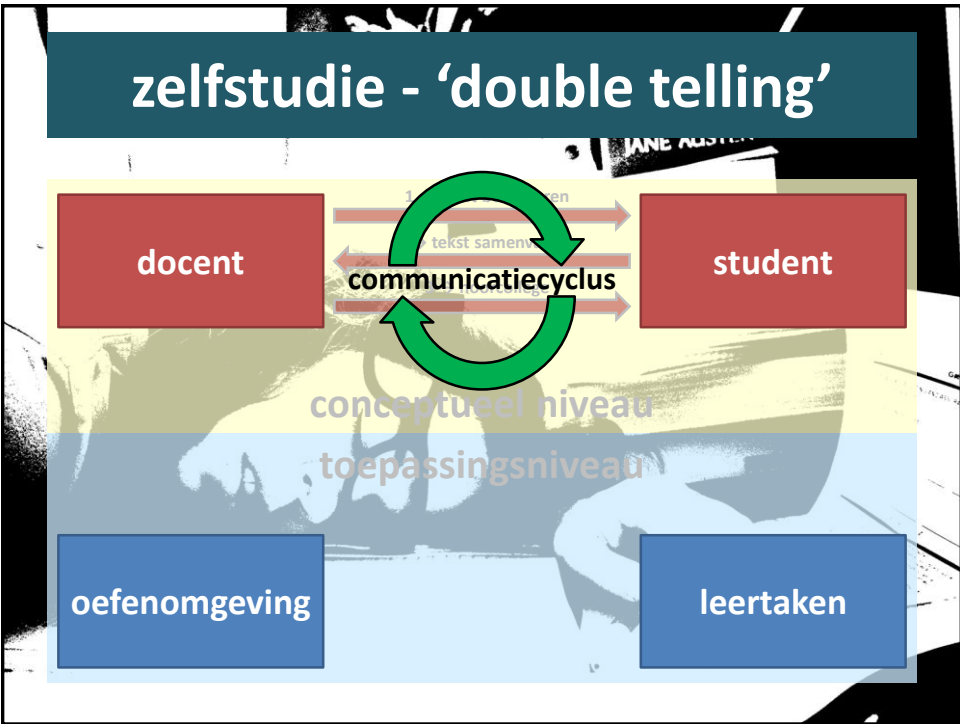
individuele zelfstudie

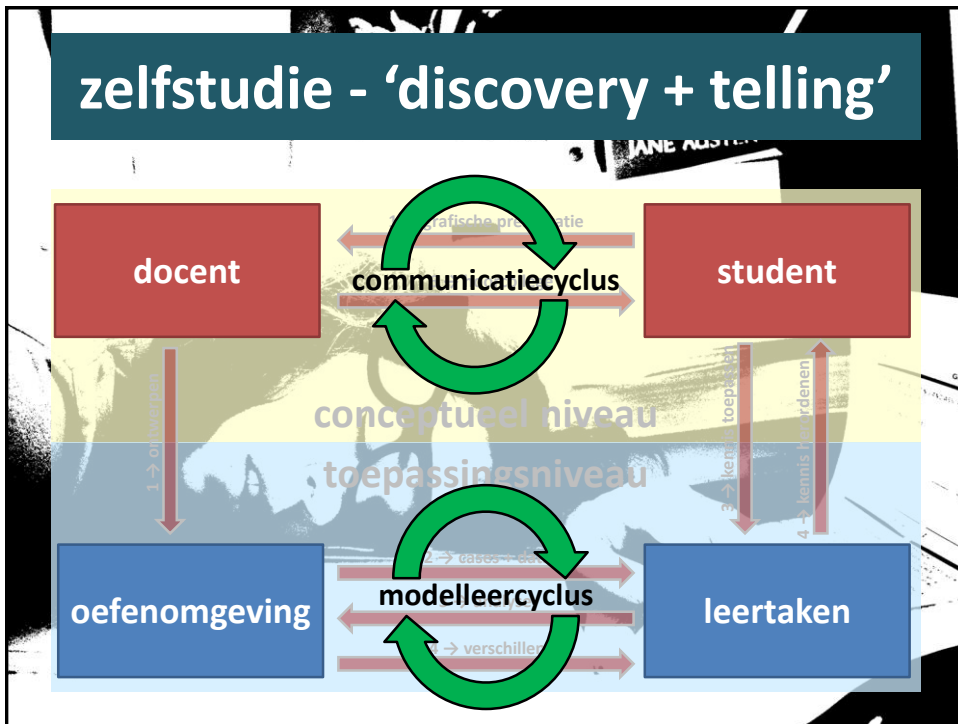
zelf de nieuwe kennis verbinden aan voorkennis

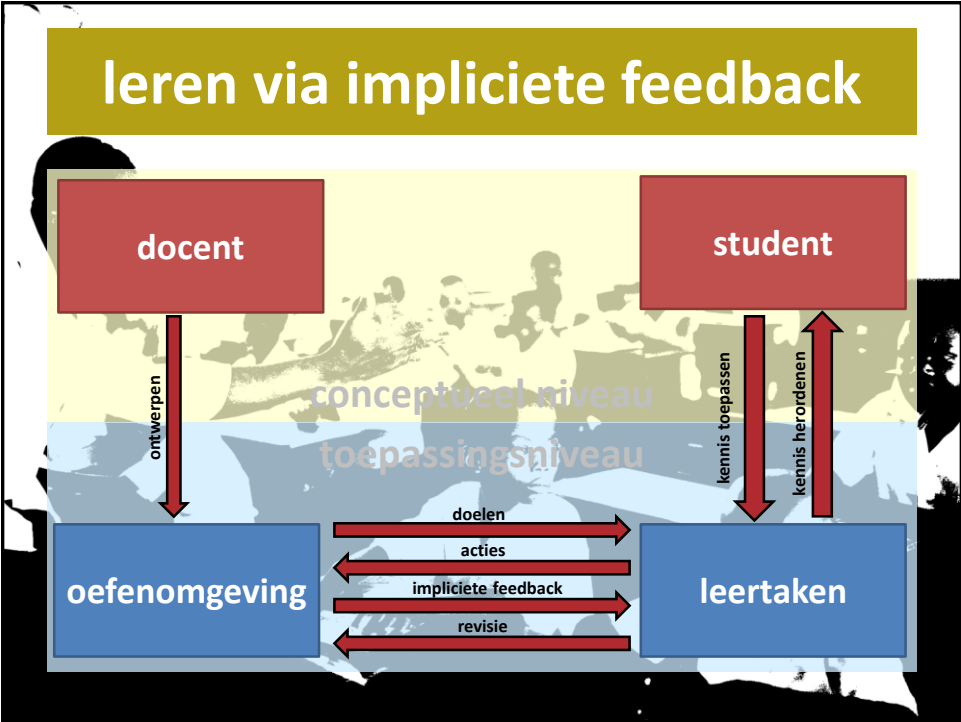
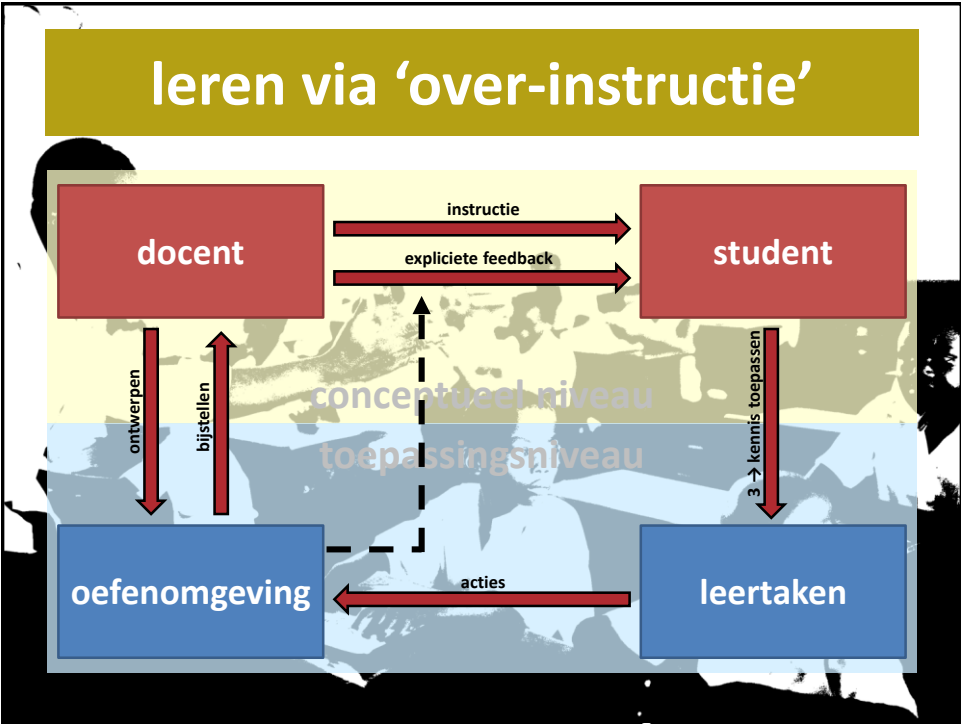
interne dialoog → verandering cognitief schema

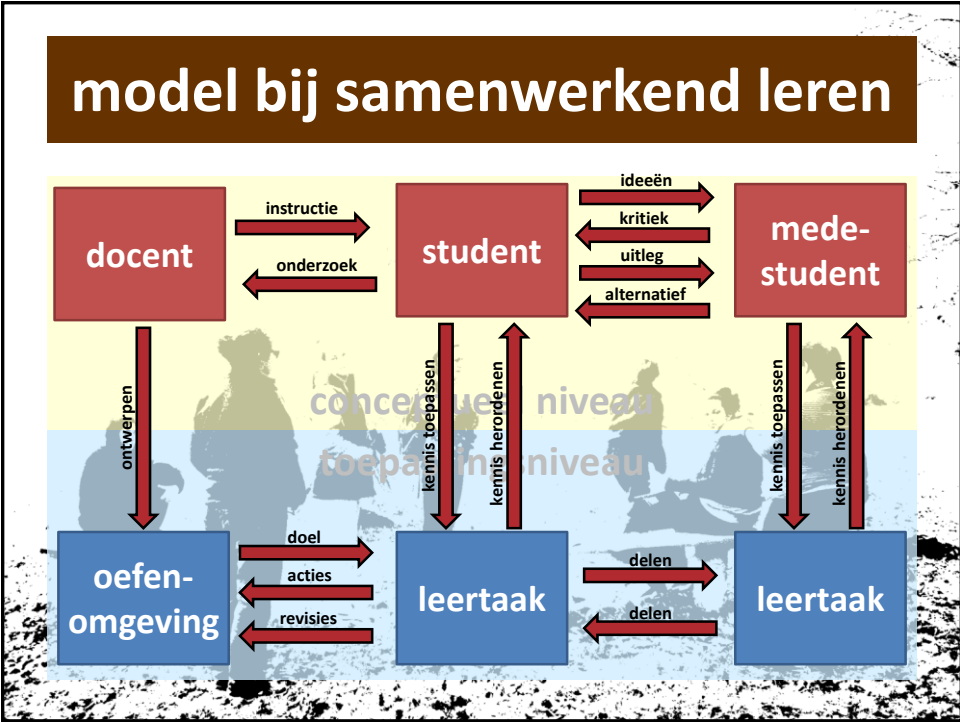
heldere beschrijvingen verbinden aan leertaken

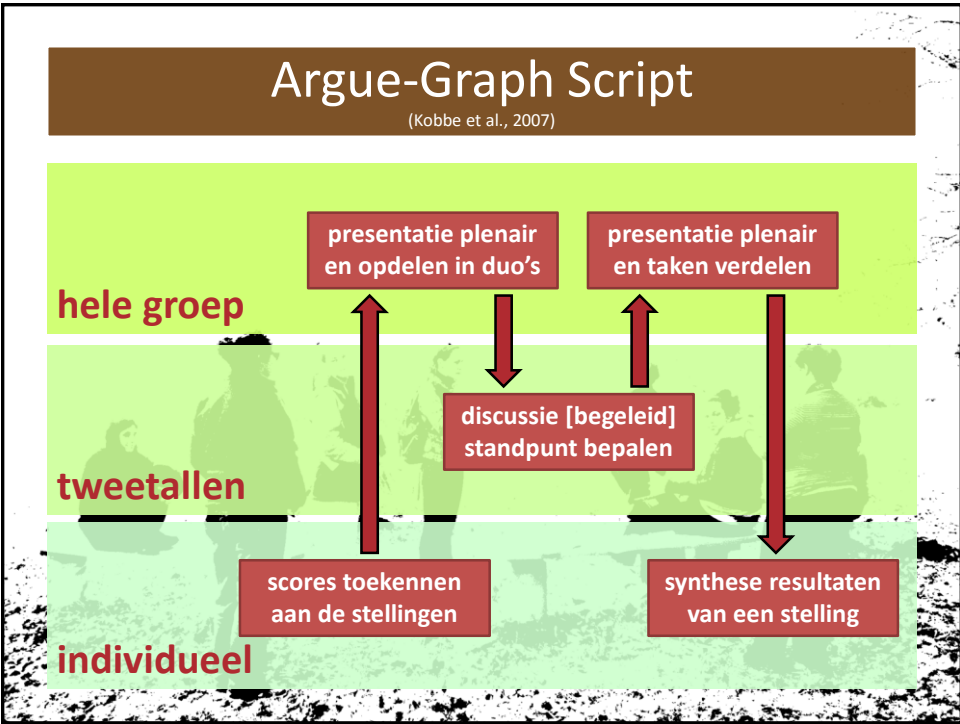
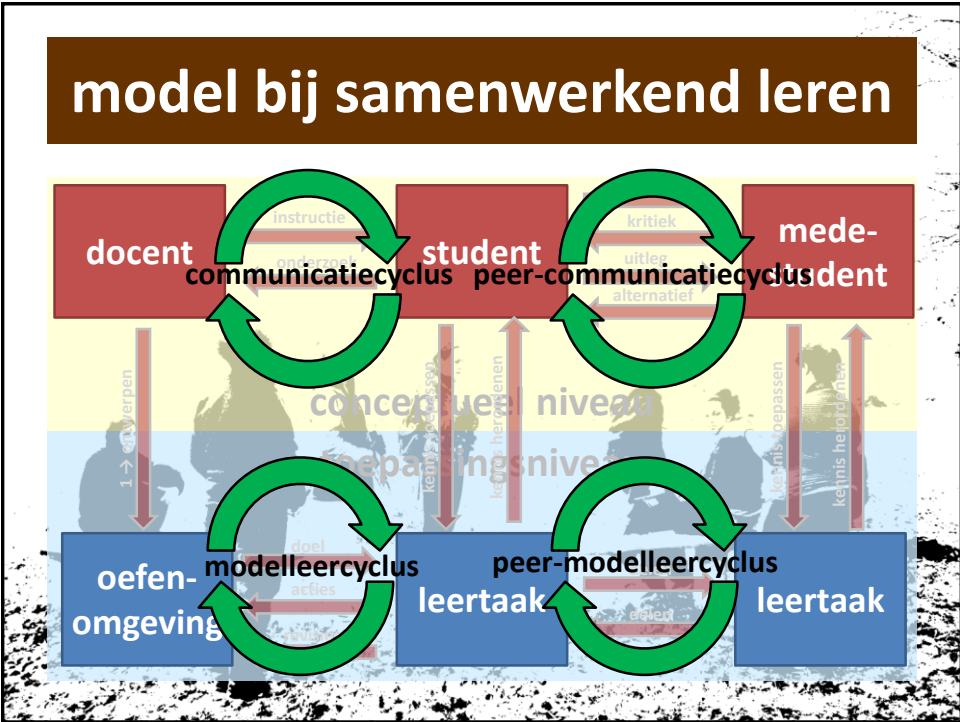














instrumentatie bij zelfstudie

variatie in leerbronnen [media] en ondersteuning

tijd- en plaatsonafhankelijk studeren [flexibiliteit]

sturing van leerproces via 'scripting' en zelftesten



instrumentatie bij leren via experts

verwijzing naar bronnen in relatie tot feedback

toevoegen van modelleercyclus aan leerpraktijk

uitgewerkt voorbeeld 'just-in-time' beschikbaar

denken en handelen als professional in simulatie

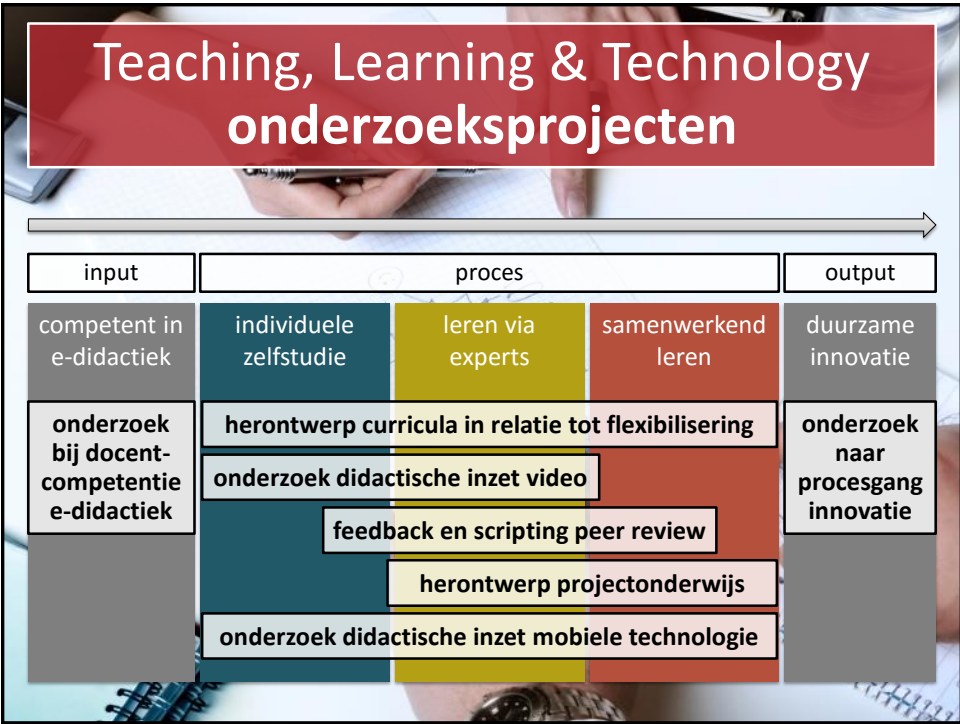


instrumentatie bij samenwerken

communicatie ondersteunen op beide niveaus

discussie en uitwisseling van tussenproducten

delen/publiceren van resultaten samenwerking





Teaching, Learning & Technology

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Teaching is not rocket science, it is much, much harder than that. Rocket science is about moving atoms, teaching is about moving minds (Laurillard, 2012)