





Check in

Wat was het laatste leerdoel wat jij voor jezelf hebt bedacht, en waarom?

Deel jouw antwoorde met de groep



Selective Perfectionist

- Bachelor Industrial Design TU/e
- Minor Product Design UTS
- Master Industrial Design TU/e
- PULSED Self-Directed Learning & Assessment













Onze TEC Programma's

1st years (Empower TEC)



3th years (Embrace TEC)



Future Impact Design (Msc)



Boundaries are meant to be crossed

- Identity & Learning
- Innovative solutions
- International



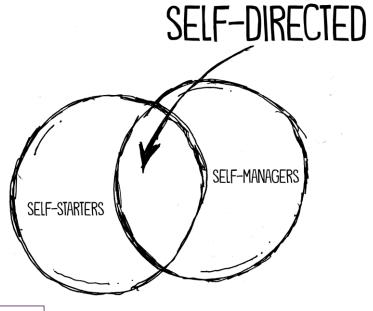


Wie ben jij?



Self Directed Professionals

Through a Design Based Learning approach



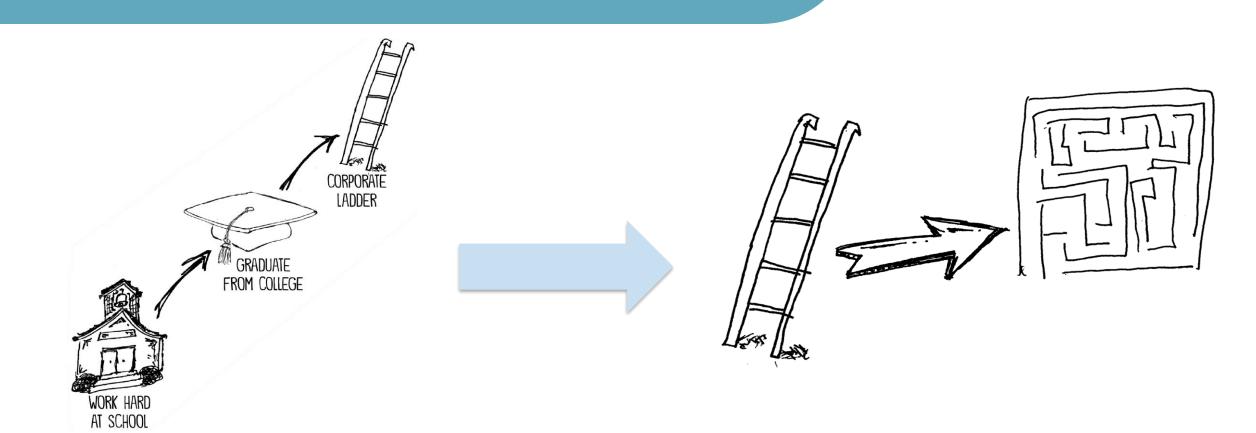


Self Directed Professional Social Entropy of the Parket o Identity **Empower TEC Future Impact Design** Personal Identity **Embrace TEC** Fontys /0/

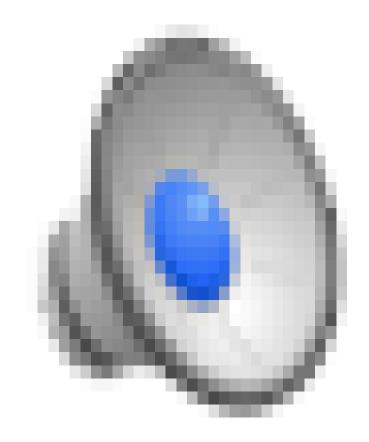
Waarom is Self-Directed Learning relevant?



From ladder to maze









Hoe Self-Directed zijn jouw studenten?

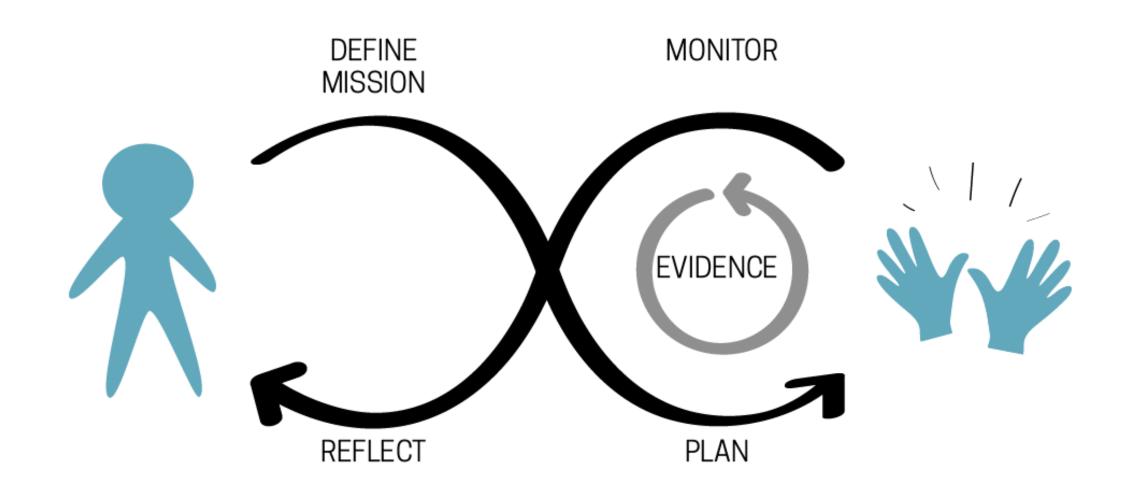






Future Technologies

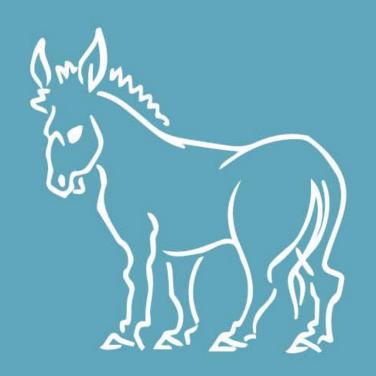
Startpunt veel SNELLE veranderingen, dus leven lang leren!



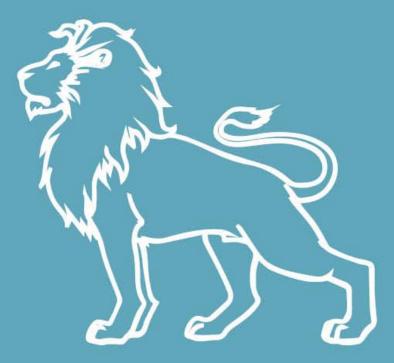
SELF DIRECTED LEARNING



DEPENDANT

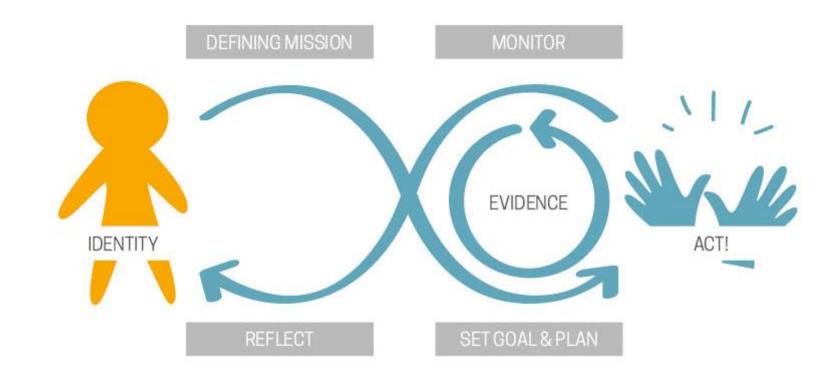


SELF DIRECTED



SELF DETERMINED

Identiteit

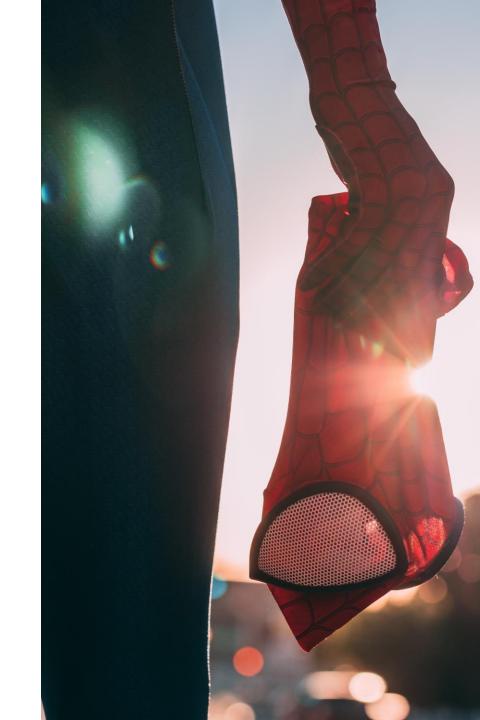




Wie ben jij?

- .. Volgens jouw studenten?
- .. Volgens iemand van wie je houdt?
- .. Volgens iemand van vroeger?

Wat zou ... zeggen over jou?



Welk gebouw ben jij?

- Kies een gebouw die bij jou past
- Waarom past het bij jou?

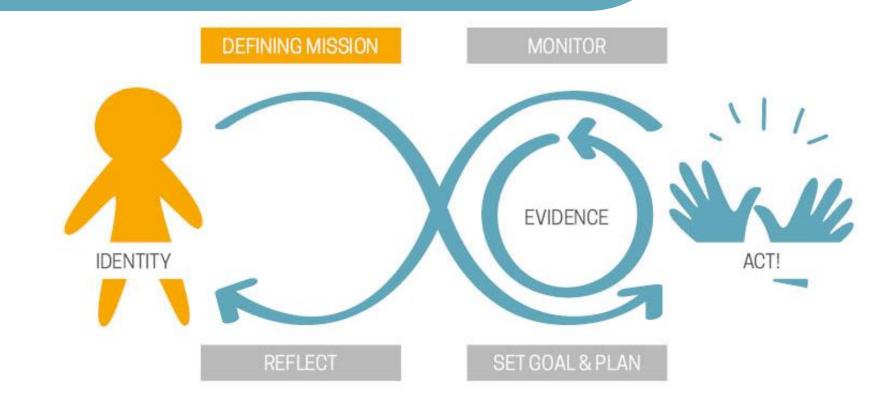
Deel jouw resultaat!



Waartoe kan Self Directed Learning leiden?



Missie









GOOD HEALTH AND WELL-BEING

QUALITY Education

GENDER EQUALITY









































Van frustratie tot missie

- Identity
- Design Based Working
- Practice Based Research
- Social Entrepreneurship





SUBSTANTIALLY REDUCE WASTE GENERATION











Want we willen liever niets weggooien!

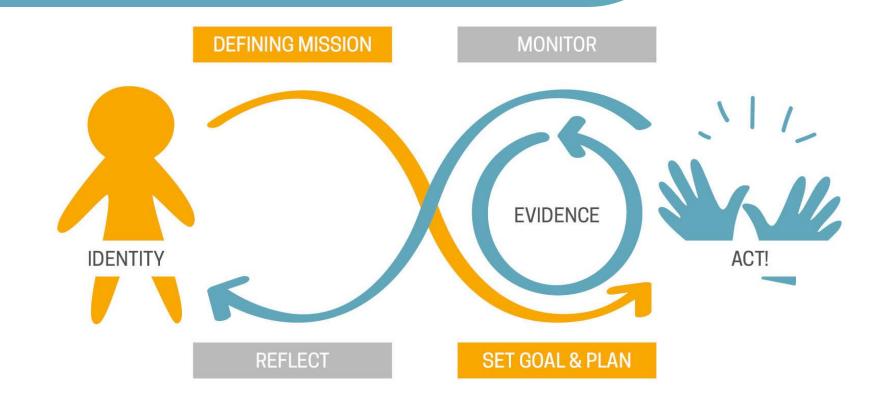


<u>Foodster</u>

Wat is JOUW frustratie?



Set Goal & Plan



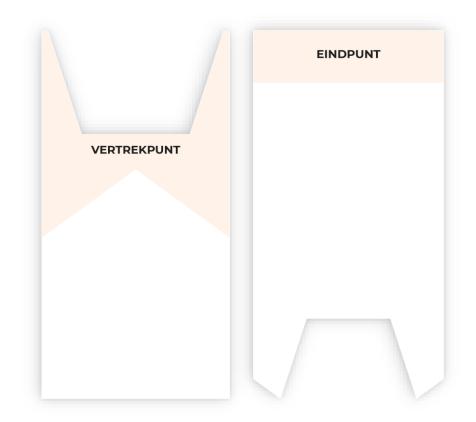




Het leerproces

Vertrek- & eindpunt

Thema/onderwerp Probleem Onderzoeksvraag



(Oplever)doelen
Deadlines
Aandachtspunten

Wat kun JIJ eraan doen?

- Bedenk een persoonlijk (leer)doel
- Wat verwacht je aan het einde te hebben/weten?

Maak groepjes van 3 en kies een van de doelen. De eigenaar van het doel wordt nu een hond/ezel/leeuw, de anderen de docent!



GrooW bouwstenen



Ontwerp-stappen















































































































































































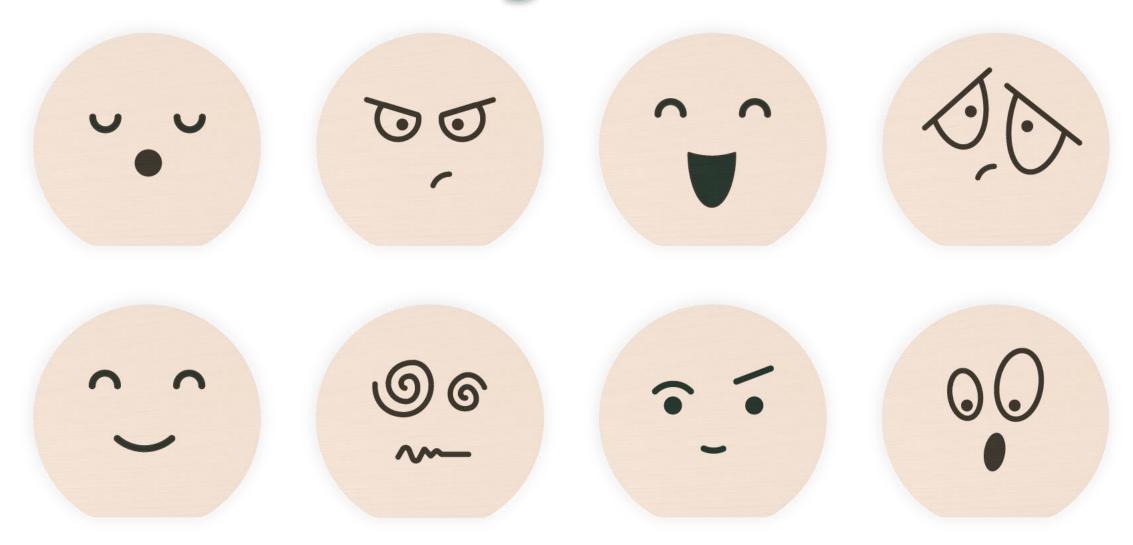


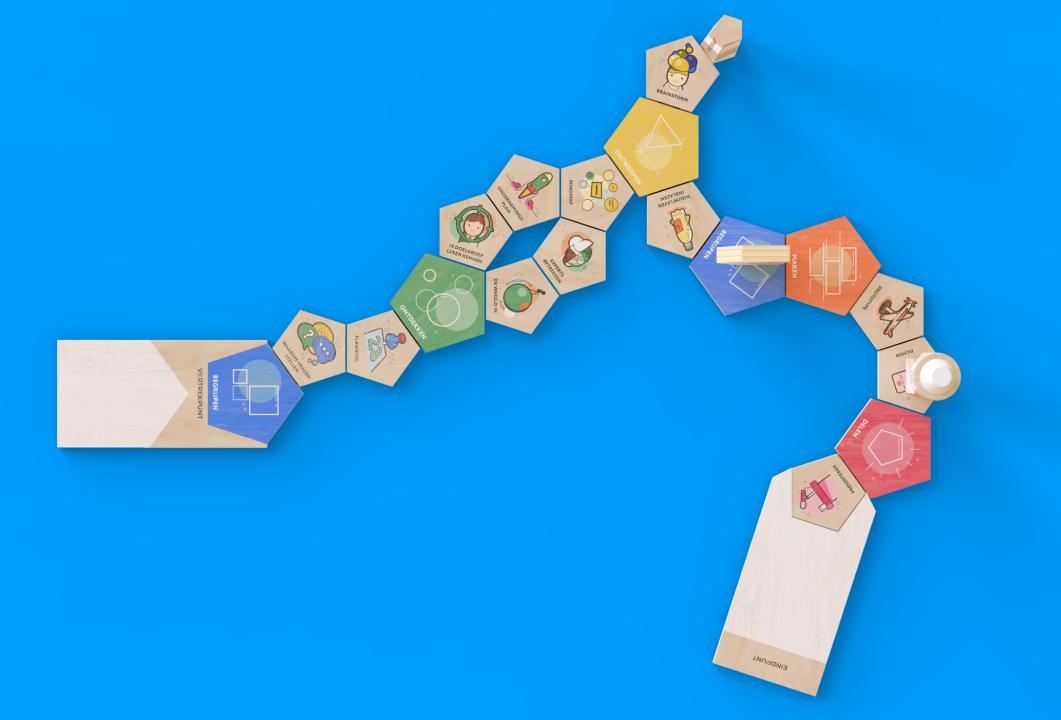






Beleving & emoties





Plan!

- Bedenk een proces met activiteiten om de (leer)doel op te lossen
- Denk aan jouw identiteit en beleving!

Wie doet wat tijdens dit proces? Wat is de rol van de docent?



Monitor





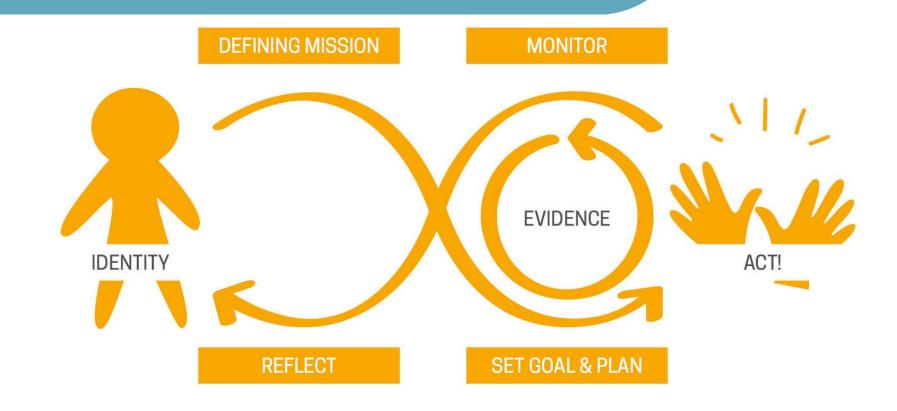
Monitor

- Hoe wordt vooruitgang m.b.t. het einddoel tussentijds meetbaar?
- Wat zijn resultaten (evidence) die het proces opleveren waaraan die vooruitgang te zien is?

Blijf goed op de rollen letten, wie bepaald wat? Wat is de rol van de docent?



Reflect





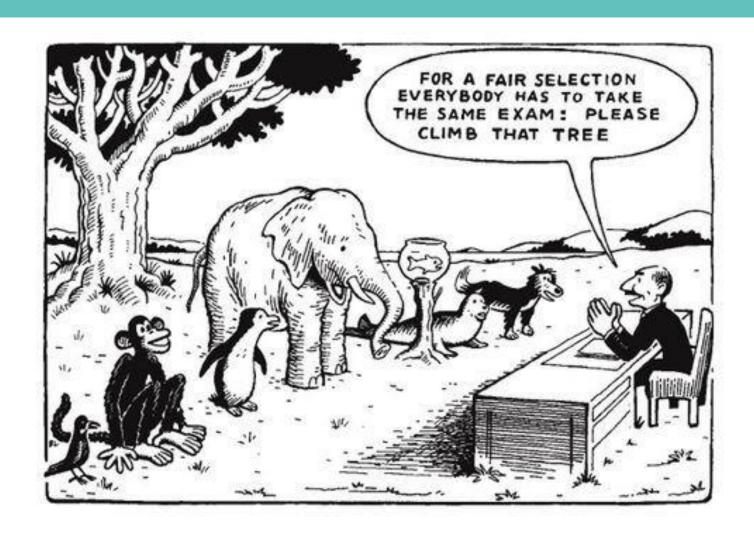
Wat heb jij geleerd?

- Hoe ging het?
- Waarom ging het zo? Wat zegt dat over jou?
- Wat heb je geleerd?
- Hoe zou jij dit gebruiken in de toekomst?

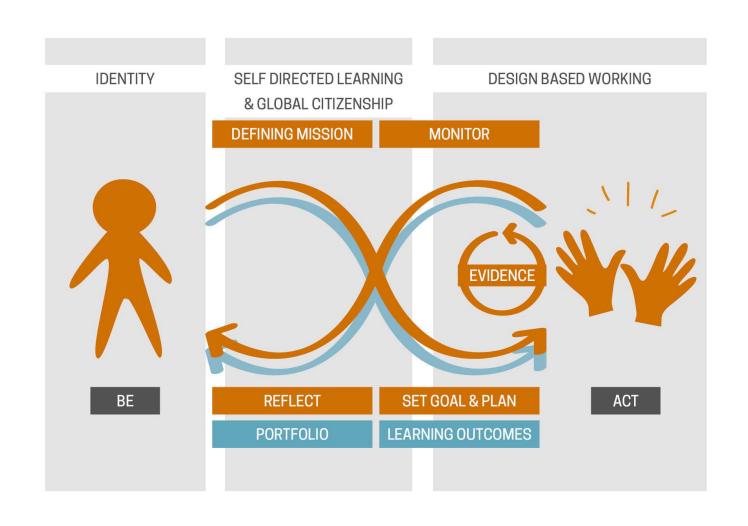
Deel jouw ervaring als hond/ezel/leeuw met jouw docenten en geef feedback.



Hoe zou jij dit beoordelen?



Ons course-team



EMBRACE TEC LEARNING OUTCOMES AND THEIR INDICATORS

IDENTITY

Based on your own unique personality, you consciously and respectfully make use of the diversity and uniqueness of others while collaborating.

CREATIVITY

You create and stimulate opportunities to solve complex issues using creativity. Furthermore, you understand different forms of creativity and how they lead to concrete, workable solutions.

ENTREPRENEURSHIP

You use your entrepreneurial attitude in formal and everyday-life collaborations, characterized by a solution-, and action oriented approach. You validate the impact and feasibility of your solution in the appropriate context.

You are able to describe your talents

and limitations.

You are aware of your nersonal effectiveness

You are aware of the situations in which

You apply a variety of

You can express your

You know your own

You gain experience

with roles and stakeholders in an

You validate the impact of your solution in the appropriate context.

Learning Outcomes, Portfolio & Evidence

TECHNOLOGY

You explore new technological applications with a design-based approach and choose the optimal role of technology in your solution by critically analysing the options.

You develop a lasting research strategy to keep identifying new technologies.

You playfully teach yourself the operation and application of technology.

You learn to speak languages inherent in technological applications.

GLOBAL CITIZENSHIP

"Ability to communicate effectively and appropriately in intercultural situations based on one's intercultural knowledge, skills and attitudes" (Deardorff, 2006).

LEARNING OUTCOME

Explanation of the learning outcome.



You consider alternative ideas and opinions valuable and are willing to review



You develop an understanding of your frame of reference (worldview) and are able to link this to the viewpoints of others.



You provide insight into new problems and consequences that may arise due to the realized solution.

Basic level indicator of the learning outcome, which you have to accomplish.

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EMBRACE TEC LEARNING OUTCOMES AND THEIR INDICATORS

CREATIVITY You use your entrepreneurial attitude in formal and everyday-life Based on your own unique personality, you consciously and You create and stimulate opportunities to solve complex issues collaborations, characterized by a solution-, and action oriented respectfully make use of the diversity and uniqueness of others using creativity. Furthermore, you understand different forms of approach. You validate the impact and feasibility of your solution while collaborating. creativity and how they lead to concrete, workable solutions. in the appropriate context. You are able to You are aware of your You are aware of the You know your own You validate the You apply a variety of You gain experience with roles and You connect describe your talents personal effectiveness stakeholders in an and limitations. (im)possibilities and facilitate then these limitations responsibilities from active way to work solution in the together on your solution. other people. occur. vourself and others appreciate how others express their working together in result-oriented teams. appropriate context nd evaluate the accordingly. **TECHNOLOGY GLOBAL CITIZENSHIP** LEARNING OUTCOME You explore new technological applications with a design-based "Ability to communicate effectively and appropriately in Explanation of the learning outcome. approach and choose the optimal role of technology in your intercultural situations based on one's intercultural knowledge, skills and attitudes" (Deardorff, 2006). solution by critically analysing the options. You playfully teach You develop a lasting You develop an Basic level indicator of Basic level indicator of Basic level indicator of You consider You provide insight research strategy to yourself the operation languages inherent in technological alternative ideas and understanding of you into new problems the learning outcome, the learning outcome, the learning outcome, keep identifying new and application of technology. pinions valuable and frame of reference which you have to which you have to that may arise due to the realized solution. technologies. annlications are willing to review (worldview) and are accomplish. accomplish accomplish Expert level indicator of the learning outcome, which you define yourself.



MIDTERM RUBRIC The portfolio has to check the following requirements, else the

The portfolio has to check the following requirements, else the portfolio is not accepted and cannot be graded:				
 Transparency (T): You use input and feedback from others to support your evidence. You know and communicate the difference between facts and opinions. Evidence (E): You have evidence to support your claims (of learning progress) and refer to the appropriate pieces. Completeness (C): Your portfolio includes all learning outcomes and includes all basic indicators per learning outcome. 			Student: Student number: Assessor: Date:	
DESCRIPTION	VERY GOOD 2 POINTS	SUFFICIENT 1 POINT	INSUFFICIENT 0 POINTS	
Learning Progress	The student challenged him/herself related to this learning outcome, put in extra effort and had many valuable learning experiences. And the student meets the Sufficient description.	The student made sufficient learning progress related to learning outcome. And the student provided sufficient evidence to support the described progress.	The student: I. did not make learning progress related to this learning outcome; or T. Isn't transparent; or E. doesn't provide enough supporting evidence	
Basic Level	It is clear that the student has beyond-basic proficiency within one or more indicators. And the student meets the Sufficient description.	It is clear that the student has basic proficiency within all three indicators. And the student discusses each indicator and refers to the supporting evidence.	The student did not: I. show a basic level of proficiency; or T. Isn't transparent E. provide (enough) supporting evidence C. discuss all 3 basic indicators	
Ownership	The student has explained the relevance for his/her professional future and identified directions for his/her future development related to this learning outcome. And the student meets the Sufficient description.	The student explained how the developed knowledge and skills within the learning outcome were applied in his/her process or products	The student did not: L. explain how the developed knowledge and skills within the learning outcome were applied in his/her process or products	
TOTAL	_= _ =			
PASS	= Pass = Pass	= Pass	= Pass == Pass	

IDENTITY CREATIVITY ENTREPRENEURSHIP TECHNOLOGY GLOBAL CITIZENSHIP

PRIMARY RUBRIC The portfolio has to check the following requirements, else the Administration portfolio is not accepted and cannot be graded: Transparency (T): Student: You use input and feedback from others to support your evidence. You know and communicate the difference between facts and opinions. Evidence (E): Student number: You have evidence to support your claims (of learning progress) and refer to the appropriate pieces. Assessor: Completeness (C): Your portfolio includes all learning outcomes and includes all basic indicators Date: per learning outcome. DESCRIPTION VERY GOOD SUFFICIENT INSUFFICIENT 2 POINTS 1 POINT O POINTS The student challenged The student made sufficient. The student: him/herself related to this learning progress related to 1. did not make learning learning outcome, put learning outcome. progress related to this in extra effort and had learning outcome; or Learning 7. Isn't transparent; or many valuable learning And the student provided Progress experiences. sufficient evidence to support E doesn't provide enough the described progress. supporting evidence And the student meets the Sufficient description. It is clear that the It is clear that the student The student did not: student has beyond-basic has basic proficiency within show a basic level of proficiency within one or all three indicators. proficiency; or more indicators. 7. Isn't transparent Basic Level And the student discusses each E. provide (enough) And the student meets the indicator and refers to the supporting evidence Sufficient description. supporting evidence. C. discuss all 3 basic indicators 10 M M The student has explained The student explained how The student did not: the relevance for his/her the developed knowledge explain how the professional future and and skills within the developed knowledge identified directions for learning outcome were and skills within the his/her future development applied in his/her process learning outcome Ownership related to this learning or products were applied in his/her outcome. process or products And the student meets the Sufficient description. TOTAL = **=** = =

= Pass

= Pass

= Pass

IDENTITY CREATIVITY ENTREPRENEURSHIP TECHNOLOGY GLOBAL CITIZENSHIP

= Pass

= Pass



PASS

At least 3 points

EXPERT RUBRIC

goal that was challenging

learning goal; or

during the FS and

learning goal

This all was adequately

supported by evidence.

the coach), and:

for him/her (as indicated by

achieved the original

revised learning goal

achieved the revised

1 2 3 4 5

The expert goals cannot be grade		ving requirements, else the	goal is not accepted and
between facts a Evidence (E): You have eviden Expert level	nd feedback from others to suj and opinions. completion (C): completion (C):	pport your evidence. You know ar earning progress) and refer to th pert goals and these goals were a	e appropriate pieces.
DESCRIPTION	VERY GOOD	SUFFICIENT	INSUFFICIENT
	The student formulated a	The student made sufficient	The student did not:

this goal.

the progress.

learning progress regarding

Also, student formulated an

expert level goal which was

adequate evidence to support

1 2 3 4 5

approved and provided

(C) provide an approved

(I) make progress on the

evidence to support the

expert-level goal; or

(E) provide adequate

1 2 3 4 5

goal; or

progress.

Passed at least 4 Learning Outcomes and scored at least 'sufficient' on 3 Expert Goals

COMPLETED THE MINOR

DID NOT COMPLETE THE MINOR

Feedback to the student:

Expert Goals

Bedankt!

