

Chapter 7 – Appendix V Carol

7.5. Carol

7.5.1. Step 3: Planning Action

7.5.1.1. Learning task design

7.5.2.1. b. Learning task assessment

(i) Self-assessment

(ii) Peers

(iii) Teacher educator

(iv) Specialisation lecturer

7.5. Concept map

Learning Task Design 2:The human Skeleton

(3 Aug - 17 Aug)

Learning Subject	Biology
Learning phase	FET
Grade	10
Learning area	Human Skeleton
Time allocated	8 Periods (8 x 40min)

Programme Organisation

Problem statement

What is the most economical and effective prosthetic that can be produced for persons that have enough funds for professional prosthetics?

Recourses

Text on the human skeleton

* Ken en verstaan Biologie Grade 10 (Van Resburg, Netshiomvani, Strydom and Van Wyk)

* Mind Action Series:Biology Textbook and Workbook 10 (Kuun and Rortje)

* Fisiologie van die mens. (Meyer en Meij)

* Verken Biologie:graad 10. Dilley, Doidge et al.

Websites

*www.reachoutmichigan.org

*www.body.com

Meta-learning

Each individual (in the cooperative-group) receive a page with parts of the skeleton. These sketches has been changed or altered. Individually the learners must identify the part of the skeleton and then the alteration. They must think about the effects these changes have on the function of this part of the skeleton.

Cooperative-learning

The sketches of the changes must be discussed in the cooperative-groups. Do all the cooperative-group members agree with the changes and effects on the skeleton?

The cooperative groups must bring materials and equipment to school and build the most effective and cost-effective prosthetic possible

The prosthetics will be on exhibition and the other cooperative-groups will assess the prosthetics

LTP

What is the most economical and effective prosthetic that can be produced for persons that don't have enough funds for professional prosthetics?

In your cooperative groups you must decide on a part of the skeleton you would like to simulate in a prosthesis. The prosthesis must be economical but of high standard with the same characteristics and functions of the part of the skeleton.

Materials and equipment that is needed must be collective and brought to class. You will build the prostheses in class time.

An exhibition of all the cooperative-groups prosthesis will be held and assessment will take place.

Class organisation

Class are divided into their cooperative groups

(heterogeneous groups are generated thought taking into consideration: marks, culture, gender etc)

Posters of human skeleton are put up on walls.

Different parts/bones of the human skeleton are on display

Product

Meta-learn identification and answers of modified sketches.

The prosthesis

Critical Outcomes

Problem identifying & solving skills	*	Effective use of science and technology	*
Effective cooperative-group work	*	Self-organisation skills	*
Communication skills	*	Cultural and aesthetically sensitive	
Collect, analyse, organise and evaluate information effectively	*	An understanding of the world as a set of related problems	
Education and career exploring	*	Explore strategies to learn more effectively	*
Responsible citizen participation	*	Entrepreneurial skills	*

Learning outcomes	Assessment Standards
Scientific Inquiry and Problem solving skills	When learners use appropriate materials for the building of the prostheses. Prostheses must be economically, but effective with the same functions as its counterpart
Construction and Application of life Sciences knowledge	Learners must have in-depth knowledge of the part of the skeleton they are making a prosthesis off in order to make it realistic and functional
Life Sciences, Technology, Environment and Society	Prostheses must be designed and build by learners for persons that cannot afford professional prosthesis

Specific outcomes
Knowledge of the anatomy and physiology of the human skeleton
The importance and function of the human skeleton
Knowledge of the appendicular and axial skeleton
Exploring of the different types of bones (classification) of the human skeleton

Assessment Criteria
Continual assessment during the project
Prosthesis (economical and effectiveness) (rubric)

Assessment Method
Self assessment
Cooperative-group assessment
Peer assessment
Facilitator assessment

Gr.10 Biologie

Die Skelet

Wat is die mees ekonomiese en effektiese prostese wat vervaardig kan word?

Meta-leer

Sketse van ortopetiese gemodifieerde dele van die menslike skelet.

Beantwoord die volgende vrae individueel en handig in.

- Identifiseer die gedeeltes (a en b) van die skelet.
- Wat is die funksies van die dele (a en b) van die skelet?
- Watter verandering is aan die gedeelte (a en b) van die skelet aangebring?
- Is die verandering tot voordeel of tot nadeel van die skelet?
- Watter invloed het die veranderinge op die funksie van die deel van die skelet (a en b)

Koöperatiewe Leer

Elke lid van die koöperatiewe groep kry die geleetheid om sy bevindgie met die res van die lede te deel. Stem die koöperatiewe groep saam met die bevindeg? Is daar nog verandering wat raaks gesien word? Bespreek dit brefvoerig in die koöperatiewe groep.

Besluit in die koöperatiewe groep watter deel van die skelet gebou gaan word as 'n prostese? Materiale en toerusting moet bymekaar gemaak word en skool toe gebring word..

'n Uitstalling en assesseering van koöperatiewe groeps-lede se prostese sal plaasvind.

Gr.10 Biologie

Die Skelet

Wat is die mees ekonomiese en effektiese prostese wat vervaardig kan word vir persone wat nie noodwendig die nodige fondse het vir profesionele prosteses nie?

Meta-leer

- Identifisering van ortopediese veranderinge wat aan die skelet aangebring is.

Koöperatiewe Leer

- ❖ Elke koöperatiewe-groep kry die geleetheid om 'n prostese te ontwerp en te bou. Dit moet ekonomies wees, maar van hoogstaande gehalte en met dieselfde kenmerke en funksies van die werklike deel van die skelet.
- ❖ Besluit in die koöperatiewe-groep watter deel van die skelet gebou gaan word as 'n prostese? Materiale en toerusting moet bymekaar gemaak word en skool toe gebring word.
- ❖ Koöperatiewe-groepe moet die prostese self-bou.
- ❖ 'n Uitstalling en assessering van koöperatiewe-groepe se prostese sal plaasvind.

Datums

- 6 Aug: Materiale wat gebruik gaan word vir die bou van die prostese moet saam gebring word.
- 17 Aug: Uitstalling van alle koöperatiewe-groepe se prosteses.

Meta-leer

Sketse van ortopediese gemodifieerde dele van die menslike skelet. Lede van die koöperatiewe-groep ontvang verskillende gemodifieerde sketse van die skelet.

Beantwoord die volgende vrae oor die skets **individueel!!!**
Handig die antwoordstel en die sketse aan die einde van die periode in.

- Identifiseer die gedeeltes (a en b) van die skelet.
- Wat is die funksies van die dele (a en b) van die skelet?
- Watter veranderinge is aan die gedeelte (a en b) van die skelet aangebring?
- Is die verandering tot voordeel of tot nadeel van die skelet?
- Watter invloed het die veranderinge op die funksie van die deel van die skelet (a en b).

Koöperatiewe-Leer

- ❖ Elke lid van die koöperatiewe-groep lê sy bevindinge aan die res van die lede voor.
- ❖ Stem die koöperatiewe groep saam met die bevindinge? Is daar nog veranderinge wat raaks gesien word?
- ❖ Bespreek dit breedvoerig in die koöperatiewe-groep.

SKOOLGEBASEERDE ONDEWRWYSASSESSERING
SCHOOL BASED EDUCATION ASSESSMENT
Fasilitering van Leer / Facilitating Learning

Grade awarded

Beginneronderwyser:
 Beginner Educator:
 Skool:
 School:
 Spesialiseringarea:
 Specialising area:

Student No:
 Student Nu:
 Graad: Datum:
 Grade: Date:
 Thema:
 Theme:

LEERTAAKONTWERP / LEARNING TASK DESIGN

LEVEL VLAK	Alle items teenwoordig maar die verband daartussen nie aangrendui of irrelevant / <i>All items present but relationship between them not indicated or irrelevant</i>	Alle items teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA en LT aangrendui en relevant / <i>All items present and the relationship between the LO's, AS's, Challenge, LTP and LT indicated and relevant</i>	Alle items teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat en Leeraksie-organisasie aangrendui en relevant / <i>All items present and the relationship between the LO's, AS's, Challenge, LTP LT, Authentic Learning Environment, Materials and Equipment/ apparatus, and Learning Action Organisation indicated and relevant</i>	Alle items teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat, Leeraksie-organisasie en Resultaat van LT aangrendui en relevant / <i>All items present and the relationship between the LO's, AS's, Challenge, LTP LT, Authentic Learning Environment, Materials and Equipment/ apparatus, Learning action organisation, and Result of LT indicated and relevant</i>
CRITERION KRITERIUM				X
Ontwerp/ Design				

ADDISIONELE KOMMENTAAR / ADDITIONAL COMMENTARY

Ek dink dit het goed gegaan In die een klas het meta-leer verander in bietjie meer "ra-en-onthouend" van my af
 → Let op na Meta-leer vae!

Assessor:	Self	Mede BO/Peer BE	Mentor	Dosent/Lecturer
Naam: Name:		Handtekening: Signature:		

LEERTAAKOPERASIONERING (LTOP) / LEARNING TASK OPERATION (LTOP)			
	Onaanvaarbaar / Unacceptable	Ontoereikend / Inadequate	Goed / Good
LTA / LTP	<p>Die uitdaging is nie in werklike konteks (werklike of realistiese probleem) nie!</p> <p>The challenge is not a problem in <u>real life context</u> (real life or realistic problem)</p>	<p>Die uitdaging is 'n probleem in werklike konteks (werklike of realistiese probleem), maar voldoen aan slegs enkele kriteria /</p> <p>The challenge is a problem in <u>real life context</u> (<u>real life or realistic problem</u>) but adheres to only <u>singular problem and LTD criteria</u></p>	<p>Die uitdaging is 'n probleem in werklike konteks (werklike of realistiese probleem) en voldoen aan die meeste kriteria /</p> <p>The challenge is a problem in <u>real life context</u> (<u>real life or realistic problem</u>) and adheres to <u>most problem and LTD criteria</u></p>
Aanbied / Present	<p>Aanbieding is duidelik / Presentation is clear</p> <p>Aanbieding is duidelik / belangrikheid uit / Presentation is clear and explicates importance</p>	<p>Aanbieding is duidelik, spel belangrikheid uit en beklemton dringendheid / Presentation is clear, explicates importance and emphasises urgency</p>	<p>Aanbieding is duidelik, spel belangrikheid uit, beklemton dringendheid en vereis onmiddelike teerckaksie / Presentation is clear, explicates importance, emphasises urgency and demands immediate learner action</p>
LTU / LTE	<p>Leerders beplan hulle eie individuele leer / Learners plan their own individual learning</p>	<p>Leerders beplan en monitor hulle eie individuele leer / Learners plan and monitor their own individual learning</p>	<p>Leerders beplan, monitor en assesseer hulle eie individuele leer / Learners plan, monitor and assess their own individual learning</p>
Koop leer / Coop learn	<p>Groep bestaan uit heterogene groep van optimale grootte / Groups consist of heterogeneous groups of optimal size</p>	<p>Groep bestaan uit heterogene groep van optimale grootte lede is individueel aanspreeklik / Groups consist of heterogeneous groups of optimal size and members are individually accountable</p>	<p>Groep bestaan uit heterogene groep van optimale grootte, lede is individueel aanspreeklik en positief interaktiwinklik / Groups consist of heterogeneous groups of optimal size and members are individually accountable and positively interdependent</p>
LTU / LTF	<p>Voorstien kognitiewe ondersteuning deur die beantwoording van leerders se vrae / Providing cognitive support by answering learner's questions</p>	<p>Daag kognitiewe ontwikkeling uit deur die beantwoording van leerders se vrae / Challenging cognitive development by asking higher order thinking questions as learners' reaction to learners' questions</p>	<p>Voorstien emocionele ondersteuning en vra leerders se vrae terug aan hulle om self te antwoord / Providing emotional support to learners and reverting their questions back to them</p>
LTK / LTC	<p>KLG's voorsien terugvoer met slegs sommige lede wat bydra / CLG's provide feedback with all members contributing</p>	<p>KLG's voorsien terugvoer met al die lede wat bydra en word geassesseer sonder die eis op kwaliteit / CLG's provide feedback with all members contributing and is assessed without a demand for quality</p>	<p>KLG's voorsien terugvoer met al die lede wat bydra en word krities geassesseer op die kwaliteit van hulle produk en aanbieding deur eweknieë en BE / CLG's provide feedback with all members contributing and is critically assessed on the quality of their product and presentation by peers and BE</p>
PUNT/ GRADE	0-24	25-49	50-74
Toeken Award			

SKOOLGEBASEERDE ONDEWRWYSASSESSERING
SCHOOL BASED EDUCATION ASSESSMENT
Tradisioneel / Traditional

Punt toegeken
Grade awarded
78%

Beginneronderwyser:

Beginner Educator: _____

Skool:

School: _____

Spesialiseringsarea:

Specialising area: Biologie

Student No:

Student Nu: _____

Graad:

Datum:

Grade: 10

Date: 5 Aug

Tema:

Theme: Skelet

LEERTAAKONTWERP / LEARNING TASK DESIGN

LEVEL VLAK	All items teenwoordig maar die verband daartussen nie aangredui of irrelevant / <i>All items present but relationship between them not indicated or irrelevant</i>	All items teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA en LT aangredui en relevant / <i>All items present and the relationship between the LO's, AS's, Challenge, LTP and LT indicated and relevant</i>	All items teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat en Leeraksie- organisasie aangredui en relevant / <i>All items present and the relationship between the LO's, AS's, Challenge, LTP LT, Authentic Learning Environment, Materials and Equipment/ apparatus, and Learning Action Organisation indicated and relevant</i>	All items teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat, Leeraksie- organisasie en Resultaat van LT aangredui en relevant / <i>All items present and the relationship between the LO's, AS's, Challenge, LTP LT, Authentic Learning Environment, Materials and Equipment/ apparatus, Learning action organisation, and Result of LT indicated and relevant</i>
CRITERION KRITERIUM				
Design				X

ADDISIONELE KOMMENTAAR / ADDITIONAL COMMENTARY

Jou LT was oorspronklike en baie goed beplan.

Jou metaleer was veral goed. Dit was uitdagend!

Ek hou van die feit dat jy die LTP en veral die real life problem verander het ter opsigte daarvan dat die leerders eerder k prosesse moet maak.

Jou metaleer virde was weerens baie goed.

Dis altyd lekker om jul klasse by te woon, en ek leer ook altyd iets by jou.

Assessor:

Self	Mede BO / Peer BO	Mentor	Dosent / Lecturer
Naam: Name: _____	Handtekening: Signature: _____		

LEERTAAKOPERASIONERING / LEARNING TASK OPERATION

KRITERIUM / CRITERION	VLAK / LEVEL	Onaanvaarbare uitvoering met ernstige tekortkominge/ <i>Unacceptable performance with major weaknesses</i>	Ontoereikende uitvoering met geringe tekortkominge/ <i>Inadequate performance with minor weaknesses</i>	Goeie uitvoering met geen tekortkominge/ <i>Good performance with no weaknesses</i>	Uitstekende uitvoering van hoogstaande kwaliteit/ <i>Excellent performance of outstanding quality</i>
Leerkonteks / Learning context (Skepping en instandhouding van die mees bevorderlike leeratmosfeer / <i>Creating and maintaining the most conducive learning atmosphere</i>)					X
Verbale kommunikasie / Verbal communication (Is alle verbale kommunikasie hoorbaar, duidelik en met die mees gesikte stemintonasie / Is all verbal communication audible, clear and with the most appropriate voice intonation)				X	
Nie-verbale kommunikasie / Non-verbal communication (Is alle nie-verbale kommunikasie gevul met entoesiasme en 'n positiewe houding/ Is all non-verbal communication filled with enthusiasm and a positive attitude)					X
Mediagebruik / Use of media (Word die media wat gebruik word korrek gebruik en is dit die mees gesikte om leer ten beste te ondersteun / Is the media being used, used correctly and is it the most appropriate to best support learning)				X	
Demonstrasie, illustrasie, vertelling, verduideliking Demonstration, illustration, narrative, explanation (Kan alles deur almal duidelik gesien word, is die ordening logies, die kommentaar besonder ondersteunend en die tempo die mees gesikte / Is everything clearly visible to everyone, is the sequence logical, the commentary particularly supportive and the tempo the most appropriate)				X	
Leerder aksie / Learner action (Is die leerders voortdurend besig met aktiewe leer – metaleer voor koöperatiewe leer / Are the learners continually busy with active learning – metalearning before cooperative learning)					X
Leerkwaliteit / Learning quality (Word die mees gesikte interaksiedeur die FOL bewerkstellig met effektiewe vraagstelling veral deur die metaleervrae / Is the most appropriate interaction accomplished by effective questioning especially through the metalearning questions)					X
Dissipliene / Discipline (Instandhouding van gefokusde aandag en betrokkenheid by leeraktiwiteite alleenlik – een waarskuwing dan konsekvensie / Maintaining focused attention and involvement with learning activities only – one warning then a consequence)					X
Konsolodasie / Consolidation (Word leerders se terugvoer deur almal geassesseer vir kwaliteit en tel dit / Are learners' feedback assessed by all for quality and does it count)					X
OORKOEPELEND / OVER ALL		0-24	25-49	50-74	75-100
Punt toegeken - dra oor na bladsy 1 Grade awarded – transfer to page 1					

KOOLGEBASEERDE ONDEWRWYSASSESSERING
 SCHOOL BASED EDUCATION ASSESSMENT
 Facilitering van Leer / Facilitating Learning

Punt toegeken
 Grade awarded
 80

Beginneronderwyser:

Beginner Educator:

Skool:

School:

Spesialiseringarea:

Specialising area: FET Back

Student No:

Student Nu:

Graad:

Datum:

Grade:

Date:

Tema:

Theme:

3 Aug

LEERTAAKONTWERP / LEARNING TASK DESIGN

LEVEL VLAK	Minimum vereistes teenwoordig maar die verband daar tussen nie aangredui of irrelevant / Minimum requirements present but relationship between them not indicated or irrelevant	Minimum vereistes teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat en Leeraksie-organisasie aangredui en relevant / Minimum requirements present and the relationship between the LO's, AS's, Challenge, LTP, LT, Authentic Learning Environment, Materials and Equipment/ apparatus, and Learning Action Organisation indicated and relevant	Minimum vereistes teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat en Leeraksie-organisasie aangredui en relevant / Minimum requirements present and the relationship between the LO's, AS's, Challenge, LTP, LT, Authentic Learning Environment, Materials and Equipment/ apparatus, and Learning Action Organisation indicated and relevant	Minimum vereistes teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat, Leeraksie-organisasie en Resultaat van LT aangredui en relevant / Minimum requirements present and the relationship between the LO's, AS's, Challenge, LTP, LT, Authentic Learning Environment, Materials and Equipment/ apparatus, Learning Action Organisation, and Result of LT indicated and relevant
RITERION RITERIUM				
Ontwerp/ design				

ADDISIONELE KOMMENTAAR / ADDITIONAL COMMENTARY

Ekselsel aan die leerders het die leertaak gevuldig geknieet
 Die leerders se voorbereidings is goed getoets en hou
 mooi Modelle het na vore gekom.

Assessor:

Self	Mede BO/Peer BE	Mentor	Dosent/Lecturer
Naam: Name:	Handtekening: Signature:		

LEERTAAKOPERASIONERING (LTOP) / LEARNING TASK OPERATION (LTOP)

Onaanvaardbaar/ Unacceptable	Ontoereikend/ Inadequate	Goed / Good	Uitstekend/ Excellent	LTA / LTP
				Aanbied / Present
Die uitdaging is nie 'n werklike konteks (werklike of realistiese probleem) nie / The challenge is not a realistic problem in real life context (real life or realistic problem)	Die uitdaging is 'n probleem in werklike konteks (werklike of realistiese probleem), maar voldoen aan slegs enkele kriteria en LTD kriteria / The challenge is a problem in real life context (real life or realistic problem) but adheres to only one of the 4 requirements (clarity, importance, urgency, action)	Die uitdaging is 'n probleem in werklike konteks (werklike of realistiese probleem) en voldoen aan die meeste kriteria en LTD criteria / The challenge is a problem in real life context (real life or realistic problem) and adheres to only singular problem and LTD criteria	Die uitdaging is 'n probleem in werklike konteks (werklike of realistiese probleem) en voldoen al die kriteria en LTD criteria / The challenge is a problem in real life context (real life or realistic problem) and adheres to all problem and LTD criteria	
Voldoen slegs aan <u>een</u> van die 4 vereistes (duidelikhed, belangrikheid, dringendheid, aktie) / Adheres to only one of the 4 requirements (clarity, importance, urgency, action)	Voldoen slegs aan <u>twee</u> van die 4 vereistes (duidelikhed, belangrikheid, dringendheid, aktie) / Adheres to only two of the 4 requirements (clarity, importance, urgency, action)	Voldoen slegs aan <u>drie</u> van die 4 vereistes (duidelikhed, belangrikheid, dringendheid, aktie) / Adheres to only three of the 4 requirements (clarity, importance, urgency, action)	Voldoen slegs aan al 4 vereistes (duidelikhed, belangrikheid, dringendheid, aktie) / Adheres to all 4 requirements (clarity, importance, urgency, action)	
Leerders beplan hulle eie individuele leer / Learners plan their own individual learning	Leerders beplan en monitor hulle eie individuele leer / Learners plan and monitor their own individual learning	Leerders beplan, monitor en assesseer hulle eie individuele leer / Learners plan, monitor and assess their own individual learning	Leerders beplan, monitor en assesseer hulle eie individuele leer en verwef levensvaardighede / Learners plan, monitor and assess their own individual learning and intentionally acquires particular intrapersonal	
Groepe bestaan uit homogene groepe van optimale grootte (4) / Groups consist of homogeneous groups of optimal size (4)	Groepe bestaan uit heterogene groepe van optimale grootte en lede is individueel aanspreklik / Groups consist of heterogeneous groups of optimal size and members are individually accountable	Groepe bestaan uit heterogene groepe van optimale grootte, lede is individueel aanspreklik en positief interafanklik / Groups consist of heterogeneous groups of optimal size and members are individually accountable and positively interdependent	Groepe bestaan uit heterogene groepe van optimale grootte, lede is individueel aanspreklik en positief interafanklik en verwel intensioneel spesifieke interpersoonlike levensvaardighede / Groups consist of heterogeneous groups of optimal size and members are individually accountable and positively interdependent and intentionally acquires particular interpersonal life skills	
Voorstellen kognitiewe ondersteuning vir die beantwoording van leerders se vrae / Providing cognitive support by answering learners' questions	Daag kognitiewe ontwikkeling uit deur dia van hoevordre vrae as realistie beantwoording van leerders se vrae / Challenging cognitive development by asking higher order thinking questions as reactions to learners' questions	Voorstellen emotionele ondersteuning en via leerders se vrae terug aan hulle om via leerders se vrae terug aan hulle om self te antwoord / Providing emotional support to learners and reverting their questions back to them and asking metalearning questions at the most opportune and appropriate moments	Voorstellen emotionele ondersteuning en dia van hoevordre vrae as realistie geske te gegee en die dia van metaleenvrae by die beste en mees geske te gegee gehou word / Providing emotional support, reverting learners' questions back to them and asking metalearning questions at the most opportune and appropriate moments	
KLG's voorstellen terugvoer met al die slegs sommige lede wat bydra / CLG's provide feedback with only some members contributing	KLG's voorstellen terugvoer met al die lede wat bydra / CLG's provide feedback with all members contributing	KLG's voorstellen terugvoer met al die lede wat bydra en word geassesseer sonder die eis op kwaliteit / CLG's provide feedback with all members contributing and is assessed without a demand for quality	KLG's voorstellen terugvoer met al die lede wat bydra en word geassesseer op die kwaliteit van hulle produk en aanbieding deur CLG's provide feedback with all members contributing and is critically assessed on the quality of their product and presentation by peers and BE	
PUNT/ GRADE	0-24	25-49	50-74	75-100
Toeken Award				X

OOLGEBASEERDE ONDEWRWYSASSESSERING
SCHOOL BASED EDUCATION ASSESSMENT
Facilitating van Leer / Facilitating Learning

Grade ...

70

Eiginneronderwyser:
Eiginner Educator:

Skool:

School:

Spesialiseringarea:

Specialising area: BIOLOGIE

Student No:
Student Nu:

Graad: _____
Grade: _____

Datum: _____
Date: 5 Aug 2004

Tema: _____

Theme: SKIELEGT

LEERTAAKONTWERP / LEARNING TASK DESIGN

LEVEL VLAK	Minimum vereistes teenwoordig maar die verband daartussen nie aangredui of irrelevant / <i>Minimum requirements present but relationship between them not indicated or irrelevant</i>	Minimum vereistes teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA en LT aangredui en relevant / <i>Minimum requirements present and the relationship between the LO's, AS's, Challenge, LTP, LT, Authentic Learning Environment, Materials and Equipment/ apparatus, and Learning Action Organisation indicated and relevant</i>	Minimum vereistes teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat en Leeraksie-organisasie aangredui en relevant / <i>Minimum requirements present and the relationship between the LO's, AS's, Challenge, LTP, LT, Authentic Learning Environment, Materials and Equipment/ apparatus, Learning Action Organisation, and Result of LT indicated and relevant</i>	Minimum vereistes teenwoordig en die verband tussen LU'e, AS'e, Uitdaging, LTA, LT, Outentieke Leeromgewing, Materiale en Toerusting/ Apparaat, Leeraksie-organisasie en Resultaat van LT aangredui en relevant / <i>Minimum requirements present and the relationship between the LO's, AS's, Challenge, LTP, LT, Authentic Learning Environment, Materials and Equipment/ apparatus, Learning Action Organisation, and Result of LT indicated and relevant</i>
CRITERION KRITERIUM				
Ontwerp/ Design				

ADDISIONELE KOMMENTAAR / ADDITIONAL COMMENTARY

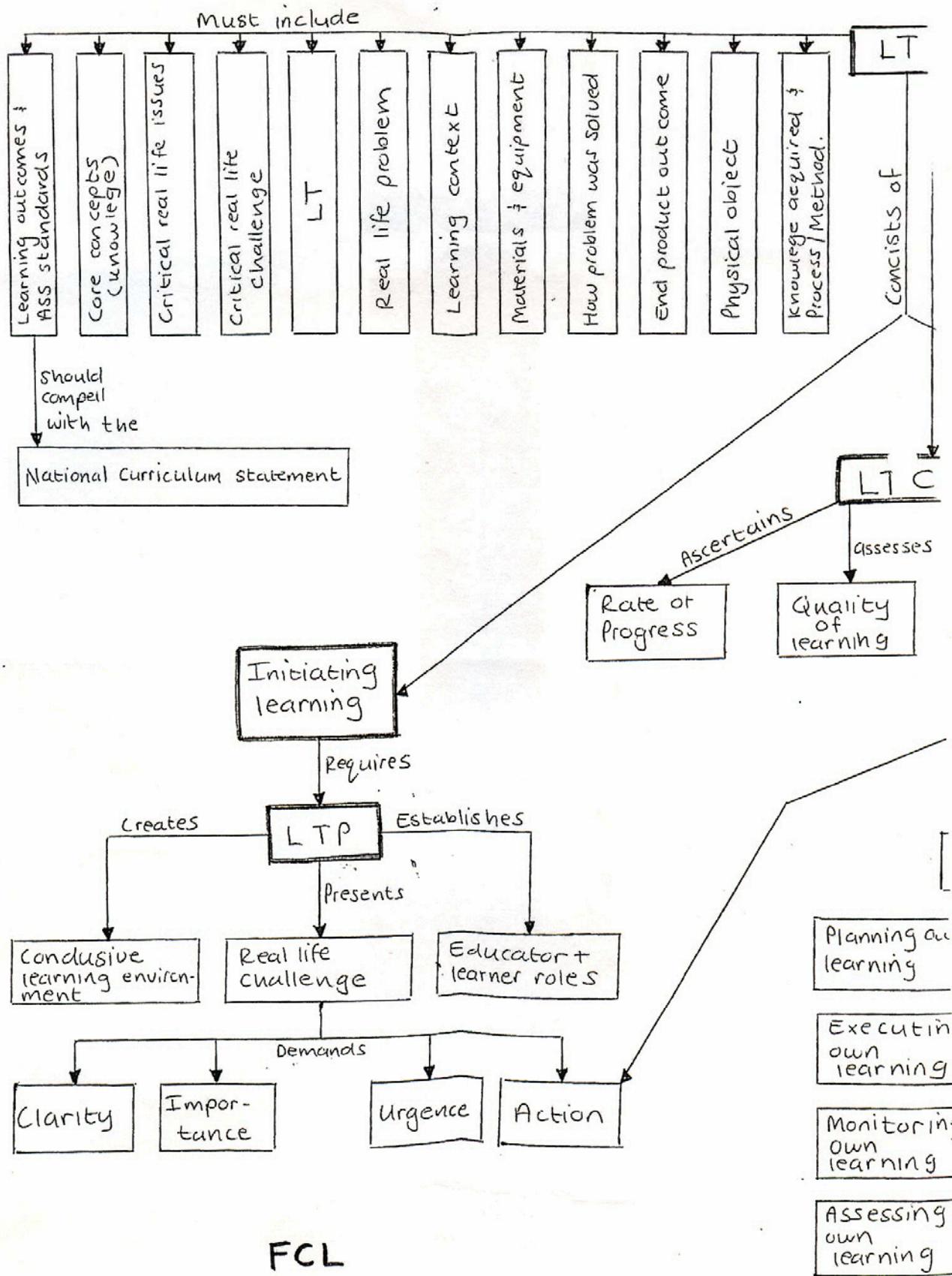
Eh nou nu van jou idee. Die begin on jou motywiese is die belangrikste en die suwer daarvan is totaal. Kyk daar ja dat sal baie vryter individuele werk - instaleer. Daar is nuwelearing daarbring - die rede waarom daar indrukue is - die in diéder moet ontsel vir my - Probeer inkondasionele veryf

Assessor:

Self	Mede BO/Peer BE	Meester	Onseentlik Afrifj
Naam: Name: _____	Handtekening Signature: _____		

LEERTAAKOPERASIONERING (LTOP) / LEARNING TASK OPERATION (LTOP)

Omaanvaarbaar/ Unacceptable	Ontoekerkend / Inadequate	LTA / LTP	
		Goed / Good	Uitstekend/ Excellent
Die uitdaging is nie 'n werklikheidskonteks (werklike of realistiese probleem) nie / The challenge is not a problem in real life context (real life or realistic problem)	<p>Voldoen slegs aan <u>3</u> van die 4 vereistes (duidelikheid, belangrikheid, dringendheid, aksele) / Adheres to only <u>one</u> of the 4 requirements (clarity, importance, urgency, action)</p> <p>Leerders beplan hulle eie individuele leer / Learners plan their own individual learning</p>	<p>Voldoen slegs aan <u>2</u> van die 4 vereistes (duidelikheid, belangrikheid, dringendheid, aksele) / Adheres to only <u>two</u> of the 4 requirements (clarity, importance, urgency, action)</p> <p>Leerders beplan en monitor hulle eie individuele leer / Learners plan and monitor their own individual learning</p>	<p>Voldoen slegs aan <u>1</u> van die 4 vereistes (duidelikheid, belangrikheid, dringendheid, aksele) / Adheres to only <u>three</u> of the 4 requirements (clarity, importance, urgency, action)</p> <p>Leerders beplan, monitor en asesseer hulle eie individuele leer en verwef intensioneel spesifiekte intrapersonlike lewensvaardighede / Learners plan, monitor and assess their own individual learning</p>
Koop leer / Coop learn	Metaleer / Metalearn	Aanbied / Present	Uitdaging / Challenge
LTT / LTF	LTU / LTE		
LTK / LTC			
PUNT / GRADE	25-49	60-74	75-100
Toeken Award	(70)		



FCL
Final

