



Examiners' Report/ Lead Examiner Feedback Summer 2017

BTEC Level 3 Nationals in Sport and Exercise Science
Unit 3: Applied Sport and Exercise
Psychology (31815H)



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Grade Boundaries

What is a grade boundary?

A grade boundary is where we set the level of achievement required to obtain a certain grade for the externally assessed unit. We set grade boundaries for each grade, at Distinction, Merit, Pass and Near Pass.

Setting grade boundaries

When we set grade boundaries, we look at the performance of every learner who took the external assessment. When we can see the full picture of performance, our experts are then able to decide where best to place the grade boundaries – this means that they decide what the lowest possible mark is for a particular grade.

When our experts set the grade boundaries, they make sure that learners receive grades which reflect their ability. Awarding grade boundaries is conducted to ensure learners achieve the grade they deserve to achieve, irrespective of variation in the external assessment.

Variations in external assessments

Each external assessment we set asks different questions and may assess different parts of the unit content outlined in the specification. It would be unfair to learners if we set the same grade boundaries for each assessment, because then it would not take accessibility into account.

Grade boundaries for this, and all other papers, are on the website via this link: http://www.edexcel.com/iwantto/Pages/grade-boundaries.aspx

Unit 3: Applied Sport and Exercise Psychology

Grade	Unclassified	Level 3			
Grade		N	Р	M	D
Boundary Mark	0	11	22	35	48

Introduction

This was the first series of the new specification, and therefore, the first time that this unit has been externally assessed via a task rather than centre based internal assessment. Centres have prepared their learners exceptionally well for this task based assessment and should be congratulated for their ability to adapt to the assessment mode. It is likely that this was the first time that centres and learners had been exposed to a case study based approach and learners were generally well prepared and able to write coherently on many aspects of the specification.

The new specification for Sport and Exercise has seen two 60 GLH units moulded into one 120 GLH unit. There has been some new content with the introduction of concepts such as mindset, resilience and perfectionism as well as introduction of new theories such as the reversal theory of anxiety and self-determination theory of motivation. There is also an increased focus on self-confidence. There has been some content, such as personality theory, omitted to reflect the changes in research focus in sport psychology.

The question paper followed the format identified in the sample assessment material with a case study split into two parts, one part which is seen and one part which is unseen. There are three activities based on the case study each of which is marked using a levels based approach, where the overall quality of the response is considered rather than identifying individual marking points.

Introduction to the Overall Performance of the Unit

As this was the first time that learners had undertaken his type of assessment it is fair to say that the performance of learners was impressive. While there was a wide spread of marks, there were learners who consistently accessed marks in the top grade band as well as some learners falling into the low grade band. Most learners accessed marks in the middle grade bands. Most learners could organise their time to read, digest and analyse the second part of the case study and then produce lengthy written answers in the two hours of allocated time.

Generally speaking, learners found that marks were more accessible in Activities 1 and 3 where they could accurately identify factors and interventions, and then explain or justify them. Activity 2 asked learners to identify relevant theories to account for the athlete's experiences, then explain the theory and show how it relates to the athlete's experience. This is a more difficult task and is more demanding on the learners' skills.

Individual Questions

Activity 1

In this activity learners had to interpret how psychological factors were impacting on Eva, the athlete in the case study. To do this activity well, learners had to read the two parts of the case thoroughly and draw out the relevant information and then produce an extended answer. This involved three stages which made up the three traits of the levels based mark scheme. Firstly, they had to identify specific psychological factors that were impacting on Eva; secondly, using the content of the case study show the impact/effect each factor was having in each section and thirdly interpret the effect of each factor as being positive or negative.

Good responses made significant and continual references back to the case and showed the examiner that they were clear about how each factor was impacting on Eva. In this case study the psychological factors that had most relevance to the case study were as follows:

Self-confidence

Self-efficacy

Growth and fixed mindsets

Stress and its effect

Anxiety and its effect

Learners also made significant reference to motivation and changes in motivation from intrinsic motivation to amotivation. While this was deemed creditworthy it was seen as being a generic factor rather than a specific one, as were references to resilience. A minority of learners referred to aggression and positive mindsets and these were not given credit. It was expected that learners identified and explored the effect of 3-4 psychological factors in their answer.

Learner's responses were marked by gaining a mark in one of three grade bands:

Grade band 1: 1-5 marks

Grade band 2: 6-10 marks

Grade band 3: 11-15 marks

Taskbook

Please do not write answers outside the spaces provided. You must complete ALL activities in this taskbook.

Activity 1

Interpret the psychological factors that impact on Eva in both parts of the case study.

(15)

There are many flychological factors that impact fly bath positively and negatively all parts of the case study somewhat mindset actors are self-confidence growth mindset.

In Part A of the case study Eva shows clear

Signs of sameone with a growth mindset.

An individual with a growth mindset is hard

working and embraces (nallenges as well

as the result of good performance is due

to practice rather than talent in the

case study it is stated that Eva is

successful because of the time and effort she

puts into her maining the pilo states Eva

containty (nallenges nerself to improve.

These are both clear examples of an

individual with a growth mindset and
a positive minds which Eva is both doing.

However, in Part B Eva is impacted

negatively by the factor due of a

winds tuland, to the cope word if it it stated that Eva is holding back from put sprinting at full speed. This snows Eva un't putting ner full potential and all into har practical I MEEKL petase NER (nawblandnib) and wat marking & as ward as she can as po har full because of non wind musicul lowers are perfect performancé. As well as Eva showing clear signs of an individual with a growth mindret she allo shows obsumal lovels of rest-confidence.

The keywords in fart A pelieves, and FAM , FULUKI, SHOWL END! BOSIFING FULUKING towards the end outcome. The fact that Eva 'believe' she fitter and faiter than ner opponents' du melles Eva has a abumal lett-cuntingon rong brill pocarie the 11 feeling sure that the will althure her goal and this will accur because Essa how Eva 11 thinking and believeling will impact on her emotions which will then impact on new behaviour and because it's positive the autcome at the end will be. However, although Eval self-confidence level is currently optimal that soon changes

VEdaunsia in bart B. Ena, 2 26/4- Emtirona 19 VET GOET BEREN MURANUM HORR ROCKHONSON 40 11940 1991 bigs 14WUD START SOLF-RUNEIGEUR & DELLEOVE ESTANDA COMPINA daubts on herself. In the case study it is stated Evo is aping to mithiliam from the national championiships as she believed the was no change of minning. Me with Evoil self-confidence covers do gome part her around levell do up & divind hor a narrow attention span. The fact that also , Ebble rick and mouth to do howse, thou how blacke thoms how orausal levels have gone over har abjunct level and her level in her perfect performance not decreased which also nas lowered her motivation and energy 181811. In Part A. Eva snows signs of being mainsically mativated makel ner feel good about because it nevielt and brings her pleasure are to the injury in part B Evois morrison profit grop orand mith ENGLATURE STEEN FAITH STEEL EURITHANS

16161 MELE ALLISON TOUR OUR SIBM (1818)
example of ou individual with entitles
which is when it privat not excitement
and direi non everdi. In back B Era,?
ENILLER THEN THE GIRLER MUEU THE?
'very tense when running'. This is because her
injury has become no much to cope with
and express thuring has part at how wer.
Finally, in Part A the last prychological
factor Eva shows signs of is self-efficacy.
This is shown in the case study when
the ruce space starts she channell all her
etterts into being sucusseus. This implies
signs se of self-effically perame show
chowing her expectations of success in a
rescribic situation and that her expections
are with at worself to go men However.
in back B those expectations are minor
END States the hos no chance of minning,
/T
(Total for Activity 1 = 15 marks)

This answer is done exceptionally well with an introduction that identifies the factors that the learner regards as being the most important. Then the learner takes each factor and expands on it by using the content of the case study to illustrate where and how each factor is impacting on Eva.

There is clear explanation of whether each factor is having a positive or negative effect and how the effect changes from positive to negative as the case study develops.

In this answer the learner has written about five factors in total, two of these factors (mindset and self-confidence) have been done in exceptional detail, while three other factors have been referred to in less detail. This answer does show breadth and depth of knowledge.

Taskbook

Please do not write answers outside the spaces provided. You must complete ALL activities in this taskbook.

Activity 1

Interpret the psychological factors that impact on Eva in both parts of the case study.

(15)

motivation underlines the behaviour influences and Choices on Individual makes, Eva is Intrinsicial motivated. She trains hard to successful in her competitions in part A Eva is very self confident, she belives that she can achewe her apais if stays focused, coun and relaxed Eva also has higher levels of Self-Esteem, She believs she is faster and better than her opponients. Eva has a growth mindset, She Works hard and practices to become better and better * In part B We can see that Eva Lacks self confidence Since she has had minor injury her levels of self-Esteem drop and She belles she now has no chance of wunning at nationals. Eva wants to avoid famore in part B We can see that become Extrinsicily motivated She doesn't want to

because she will loose * Athletes with a Lack of Self Confidence tend to perform bod, this then Creates anxiety where we can see In Ews case that She begins to tense up When She runs and doesn't run at fow speed Eva becomes more anxious now that She is not running to her best ability her increase in anxiety will have an Impact on her performance * Eva is Eustressed. She uses this positive Stress to facus on her race and be successful

This answer has strengths in that the learner has shown evidence that they have analysed and understood the case study. They have been able to identify 5 factors that impact on Eva and provide some basic information to show the impact each factor is having.

There is an attempt to explain the impact self-confidence and changes in self-confidence have on performance but all the other factors are explored in a superficial way. There is no reference to whether the factors are having a positive or negative impact on Eva.

Activity 2

In this activity learners had to apply psychological theories to account for Eva's experiences in both parts of the case study. This activity is reliant on the learners accurately identifying psychological factors in the case study and making links to appropriate theories. Once they had identified appropriate theories that could be used to analyse Eva's experiences they needed to show they can explain the key principles of each theory. Then they had to make a further step to show how the theory could be contextualised to understand Eva's experiences in parts A and B of the case study.

Good responses showed detailed coverage of at least two theories and less detailed coverage of one other theory with clear and coherent links to the case study and how it could explain Eva's experiences. There was often analysis of the extent to which the theory could account for Eva's experiences or reference to another theory that would explain it better. In this case study the theories with most relevance were as follows:

Vealey's multidimensional model of sport confidence

Bandura's self-efficacy theory

Multidimensional anxiety theory to explain the link between self-confidence and anxiety

Inverted U hypothesis, Catastrophe and Drive theories to show arousal-performance relationship

Dweck's mindset theory

Learners were also credited for reference to Need achievement theory, Achievement goal theory and self-determination theory.

Learner responses were marked by gaining a mark in one of three grade bands:

Grade band 1: 1-5 marks

Grade band 2: 6-10 marks

Grade band 3: 11-15 marks

To achieve a Band 3 response learners should cover two to three theories. Band 3 could be achieved by either covering two theories fully with accurate and in-depth coverage or provide more breadth by covering three theories less fully. The most important trait with each band was the trait covering how theories are applied to analyse the case study.

Activity 2
Analyse how psychological theories can account for Eva's experiences in both parts of the case study.
There are many psychological theories that
link to the prychological factors that
impacted on Eva in the case study in
all early
Drive Theory (Hull 1943) says that increases
in arousal mul result in improvements in
performance. In Part A, thu theory is true
when Evo's levels of arousal are optimal
and has a getimal attention span. However.
in part B Eva's attention span becomes
narram and becames highly arranged Eva
States that she 'feels sick and wants to
do name, trau vor se brocfice minicu
shows her arousal levels have gone over
her getimal level and level in per
performance has decreased. These Helley
Although thu theory is rue a better
suited there there would be the
Inverted U Hypothesis
J .
in the inverted u Hypothalls Theory,
Yerker and bodion in 1908 stated increases

arousal will lead to an improvement in performance but only until you reach your pertoxing point and that any further in a performance decrement: This theory is better ruited and gives a better move INTERPRETATION OF EVO. This is because A Eva's argusal levels were stable The had reached her optimal level however roon inauded in bart B much ing dot ner injury and started to doubt horself a vacion affection that any not both the imp will be go down. Veoley's self-confidence theory sold the 3 were for first layers of the model indicate and influence have an athlete feels (affect) thinks (cognitive) and behaves (behaviour). Layer I is factors influencing sports confidence which includu age, gender and personality. In Part A it is stated Eva U the fostest springer in ner Evo's self-confidence well are high because of this stated guine from

the case study cause it shows Eva U very good for her age and the believes which is why she's in that bate baseau determo borition and has optimal levels of self-confidence, layer 2 is sources of sport confidence which includes mastery (current level of ability), self-regulation (physical/mental preparation) and social dimate (support from coaches). Eva's mattery is high because one is the faithest sexinter in new age drank minigh immégiatelli prindi vor rejé-javégova ab. pecame of the amount Ettert the batt Jup von Laurud, Epiticalla and mentally from in on the hack waiting for new race to Start and doesn't talk to hav appments. This shows not any is the biblariud porzett mentally extrop by focusing but seit-confidence il sesses at a good level. Lostly, Factor 2 tetratate her social from her support of waches # 15 high because throughout part A said the thinks shes successful. \$ EVEN IN Part B When EVO Starls no

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making d	76(1) (01/1)	and main	NEUMING	torn).	lu
race is		remunti		60.	NZY
					harring and a second
787000000000000000000000000000000000000					шиникинаттыт
	- 4 (11 - 11-11-11-11-11-11-11-11-11-11-11-11		(Total for Act	ivity 2 = 15 ma	rks)

This response sits in the lower end of Band 3. The learner has chosen three relevant theories, in particular the Inverted U hypothesis and Vealey's multidimensional self-confidence model. Drive theory and Inverted U hypothesis are explained well and applied appropriately. Vealey's multidimensional self-confidence model is explained well but the application is superficial. This is a complex theory to cover so credit is gained for this good attempt.

This answer takes most of its content from Part A of the case study, which is the seen part, and there needs to be a more equal balance between Parts A and B to provide a full answer.

Activity 2

Analyse how psychological **theories** can account for Eva's experiences in both parts of the case study.

(15)⁵ Act2

the theories that record to Eval experiences beginney induct say to seif-determination the ory are union relates to different types of mentanties and as she is intrinsidy mentaled he beging no seif- determination theres to more marrialled yet onk the better your perfermence. also place on Duecks fixed and growth minelset therey by prierkis in (2009) asia links in with Evas experience as she is very thementy oninal set is show as he believes she because of all he hand werk exact Successod effort shep put in to achieve to because fer example is she held a fixed minerset she would To try to practice as she is is a gift next something Next could practicelar learnt, also Re Drie theory by hull relates To Eug as her arascell Seif-confidence incread so diel her perpinence. I WILL SUS new completely as after the her here dy personneunel dones drased level is high arment so over all I would say is releites to to invertee 'U' theray yerkes and Dodson) (1908) Mere Aut

theren back to the self-determinentain therey
union releaters to deffect types as meretreeting
I don't think her methertien changes
as shes still a intrinsich metheutell porson
but I do think the be comes less mathered
as she doent believe she con achive.
a I also think Their new mind set clonent change
A She is mere e Heeteel by her seif-confictnee
and seif-efficay.
with all the other therices in mind I will
Say 1 to feel Not be Achievement goal theray
may rocete to her as attle Stort she is
Lew ego orientected but she is very take
arentat as she wants to master the skill well
but at the end she is
bital the end she is
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hat the constant of the consta
bital lise ad Shee 15

In this answer the learner identifies five theories that have relevance to the case study and all are appropriate to explain Eva's experiences. However, there is virtually no explanation of the key principles of each theory. The learner has attempted to use each theory to explain Eva's experiences but there is a lack of clarity and accuracy in the explanations.

Activity 3

In Activity 3 learners had to focus on Part B of the case study as this is the section where Eva experiences changes in her psychological state due to the impact of her minor injury. She suffers a decrease of self-confidence, an increase in arousal levels and increases in cognitive and somatic anxiety. Because of these factors her performance changes and she decides that she does not want to compete at the national championships.

Learners needed to recommend psychological interventions that would address Eva's psychological needs and then use the content of Part B to justify why these interventions were appropriate. Once interventions had been identified learners needed to outline why this was important for Eva, demonstrate their knowledge of the key principles of each intervention and explain how the interventions can be practiced and used for performance. For example, if a learner chose to discuss progressive muscular relaxation they would have to say that they would practice the technique every day for a week and then use it to control arousal levels immediately before or during a competition/match.

Due to the high weighting of this activity within the paper, it accounts for 50% of the marks, it was expected that learners would cover four to five interventions and provide detailed information on at least three interventions. The interventions that were most relevant to the case study were as follows:

Imagery and self-talk to increase self-confidence

Relaxation techniques (PMR, imagery, breathing control and use of music) to control arousal levels

Goal setting to influence motivation

Performance profiling was also covered by many learners and while it had some relevance it was not as good a choice as imagery and self-talk. Some learners used well-known sportspeople as examples of people who used psychological interventions and how they used them. This was not credit worthy as it had no relevance to the case study being analysed.

Learner responses were marked by gaining a mark in one of five grade bands:

Grade band 1: 1-6 marks

Grade band 2: 7-12 marks

Grade band 3: 13-18 marks

Grade band 4: 19-24 marks

Grade band 5: 25-30 marks

Activity 3

Recommend psychological interventions to address Eva's needs in case study part B.

In your answer you should justify any recommendations made and explain how the interventions would be implemented.

(30)

In park B. Evo's coach suggests that she should wisit a sports psychologist. When visiting a sports psychologist, there is many interventions they can put in place to help controls and improve an athletes sports performance.

Firstly, the most sufficient psychological intervention help Eva get back to being successful mould Progressive muscular PMR). PMR neips reduce tension within the body and decrease arousal can be neight for Eva as she was ven running and not sprinting out full speed involves tensing and relaxing muscles Eva can tense her muscles for 5 seconds and then releasing for S seconds, followed by a deep breath She should repeat this until all muscles have been tensed and relaxed. she should begin with her hands and arms proceed to her upper body and and finally her lower body with Rully relaxed she should understand being relaxed and he able to identia

when she is tense. By completing this process! session of PMR several times, & Eva should be able to relax her muscles and get rid of the tension in her body quickly PMR can be used at any time by the athlete such as when arousal/amiety levels become too nigh during a performance or even during a break. For example, Eval can use this PMR teannique at the beginning of new race to feel fully relaxed and get in the zone before she steads sprinting Following on from PMR, a good relatorion technique is breating. When Eva experiences high arousal and arriety levels her breathing would become short and shallow. By taking time to focus on her breathing, she would be able to control it and release tension by beginning out. This breathing technique can be used for tense times during a game or during breaks. In Evais case, she could focus on her broatening at the STOP of her po race so she feels in control and focussed on winning. There are both Physiological and psychological benefits from concentrating on her breatning. The physiological benefits include more 02 being transported around the body by the blood to the working muscles which will remove co2 and waste products such as lactic

acid which will reduce the chance of muscle fatique. Psychological benefits include improving her focus away from any regardive thoughts. It will also improve cognitive anxiety improving 02 levels in Eva's body will que an advoittage against her apporents as she will not experience museue fortigue and will feel from before beginning her sprint Next, goal setting can telp improve Eva's confidence at and motivation. Goal setting is a combination of snort, medium and long term goods A senes of short and medium goods make progress towards a long-requisite goal. If an armiete has short/medium goods, beginnest make continuous progress if they want to reach their long term good Short term persists of I day to a month medium consists of 3-6 months and a long term, goal is set to be achieved at an end of a season or huld up to a big competition-for example the Olympics (4 years). SMARTS targets also keep amietes improve heir motivation to succeed appel serbages such as Eva's injury. They allow attricts to pears on the road to recovery and goals reed to be progressive and linked after each session (specific, measurable, action-orientoxeed, requiric, timed and self-determined) targets au come togener to make an athleter good reaistic in a time period, measureable by time / distance and the athlete needs to feel intrinsically morivated and want to succeed themselves. For example, after Eva having a setback due to injury, she could set a summer SMARTS food such as wanting to become the fastest sprinter cut the notional champions nips within the next year this target is specific to her sport (100m sprint), can be measured by timing how fast she run, it is realistic as she in the fastest in her country for her age grap, and it had a time period it wants to be cronieved in

Positive - self talk is another psychological intervention that a psychologist can use per Eva to succeed in sport again. Positive self talk is highly linked to mativation and aims for an increase in energy cue words can be used to nelp modivate the performer and are vevally spoken to nemselves or written on neir hand It can guide altertion away from the regolder worner and can control arousal Positive prigses such as you can do this! direct negative aspects of the ameters performance must can cause anxiety or high arousal during a game/event positive self talk commonly occord during training or prior

He a game revent to inthisically motivolts
a performer. Eva could write an For rand
a positive prograse such as 'You are the best'
to remind her she is the fastest in the country
and that she has the capability to win a race.
Se can also repeat his positive phrase during
training to make her want to do well and
train Hard to succeed in races.
Another psychological intervention would be
imagery this is when images are created in
he mind and visvolised by the partlete they
create visuals of what suy can see when
competing, auditory of what they can rear wen
competing and kinaenthetic of what they can
feel when they're competering. Eva can tear
the stort pistel, cheers of the crowd.

This answer covers five psychological interventions; four of the techniques are done in detail and one is just touched upon. Each technique has coverage of the key principles explaining how it works, detailed coverage about how it should be practiced and then implemented in competition. The chosen interventions are appropriate for Eva and well justified by the learner.

The learner has been able to illustrate in-depth knowledge of the principles behind all techniques. For example, when discussing goal setting they have covered short, medium and long term goals and given examples; they have also covered SMARTS and explained each letter of the acronym.

Activity 3 Recommend psychological interventions to address Eva's needs in case study part B. In your answer you should justify any recommendations made and explain how the interventions would be implemented. (30)The first recommended psychological interestion is Goal Setting to help with motwation. The is that effective good setting is appeative for motivation Goals Should include Short term, medium and come up with short term that helpful to so the Second recommended psychological interestion is Self Take to help with confidence levels self lot of athletes to help thenselves mentally a psychological skul increases performance and notivation. Positive self factor to become more incrase energy levels third reconnended psychological unknestion progressive muscular relatation to relieve stress. This overcome stress feel more relaxing. This technique consusts

different muscle groups around the

Terme At 5 seconds then release and relate At 5
seconds which is tren followed by a deep breath.
Eve shoold repeat this sweral times to relieve her
stress and fel more healthress.
Good Setting-
· Mostery goods, pass on cell chollege and improvement.
Do not make any compositions to other attleto-you
should only focus on setting your own gods.
· Mastery goals on better for enhancing motivation as
it will help too be more in control of her own goal
(whether it is achieved or not).
The last reconnected psychological intervention is some
'Imagery' to help with Self-efficacy'. The reason
Imagery is a good source to help with celf-efficacy
is becare Eve con crete unique in her mind
and believing that she can do it. This will choose the
self belief that Eva has in heralf to come back
from the injury stronger and wetter.

This learner has also recommended five interventions for Eva and they have given some basic information about why they selected each intervention. There is a small amount of coverage of the key principles behind each intervention but the information is basic and there is little expansion. There is no appropriate information about how the intervention could be used in sporting situations.

Summary

- Read the case study several times, highlight the key content and identify which psychological factors are being covered
- When answering questions refer to the case study as much as possible and make sure that the content you refer to is actually in the case study
- Draw information from both parts of the case study when asked to in the question
- Be selective about which theories and interventions you cover and make sure they are the most relevant for the answer
- Use the assessment criteria for each activity to guide you and ensure you cover all the content needed for each activity
- Always be relevant to the case study and avoid references to other sportspeople
- Be clear about the content of the unit specification and avoid coverage of content not on the specification eg, personality
- Please click <u>here</u> for the specification and SAMS



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