



Examiners' Report/ Lead Examiner Feedback

January 2018

BTEC Level 3 Nationals in Sport Unit 2: Fitness Training and Programming for Health, Sport and Wellbeing (31525H)



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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 (Distinction, Merit, Pass and Near Pass). The grade awarded for each unit contributes proportionately to the overall qualification grade and each unit should always be viewed in the context of its impact on the whole qualification.

Setting grade boundaries

When we set grade boundaries, we look at the performance of every learner who took the 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 should be 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 test 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 test, because then it would not take into account that a test might be slightly easier or more difficult than any other.

Grade boundaries for this, and all other papers, are on the website via this link: <u>qualifications.pearson.com/gradeboundaries</u>

Grade	Unclassified	Near Pass	Pass	Merit	Distinction
Boundary Mark	0	9	19	32	45

Unit 2: Fitness Training and Programming for Health, Sport and Well-being

Introduction

This was the second series of the new Level 3 Nationals specification for Unit 2: Fitness Training and Programming for Health, Sport and Well-being. The unit is a combination of several previous QCF units such as Exercise, Health & Lifestyle, Fitness Training and Programming, Nutrition and Fitness Testing. There have been no major changes to the format of the examination from the 1706 series and certain questions responded particularly better than the previous series.

The task-based assessment followed the same format as the 1706 series with the emphasis this time being around a different scenario. The task-based assessment is split into 6 questions which are all open response answers and gained different marks.

Question 1 identified the different lifestyle factors of the chosen individual within the scenario as well as assessing the health monitoring test results. There was a total of 12 marks for this question. Question 2 covered the different lifestyle modification techniques that were appropriate for the individual and would gain a total of 12 marks. Question 3 would ask the learners to propose and justify nutritional guidance for the selected individual and would gain a total of 8 marks. Question 4 covered different training methods for the selected individual and would gain a total of 8 marks. Question 5 asked the learners to design weeks 1, 3 and 6 of a 6-week training programme taking into account the individuals training needs and would gain a total of 6 marks. The final question looked at giving a justification of the design of the training programme that learners had completed in the previous question and this would gain a total of 14 marks.

Introduction to the Overall Performance of the Unit

Learners have performed relatively well across the paper and to the style of assessment being carried out with certain questions responding better than the previous series. It was clear that majority of the learners had prepared for the task-based assessment in an appropriate manner through the preparation of their research notes which could be taken into Part B of the examination.

Question 1 responses performed consistently well across the board due to the amount of information that was available for the learners to discuss. Again, the scenario allowed for all of the lifestyle factors from the specification to be discussed and their implications on the health and wellbeing of the individual. All four health monitoring tests were also accessible from the scenario. Majority of the responses performed consistently well as learners had a lot of information that they could use within their answer.

Question 3 performed better this series as a considerable number of learners gave more specific nutritional guidance taken from the specification. Recommended Daily Allowance values for males, macronutrients and quantities, micronutrients and quantities and hydration were generally covered across the board allowing the responses to be of a higher quality.

Question 6, trait 2 performed better than the previous series with more learners giving responses around the design of the training programme and taking into account aims and objectives and the term periodisation.

Question 2 did not respond as well as expected as a considerable number of learners did not give specific lifestyle modification techniques taken from the specification. This paper only allowed for 2 major lifestyle factors that needed to be improved (Alcohol and Stress). There are many lifestyle modification techniques within the specification but learners seemed to only give one for each and some of these were not from the specification, making their answer very generic.

Question 2, Trait 3 of the mark scheme again did not answer particularly well as many learners did not give a prioritisation of the lifestyle factors and lifestyle modification techniques taking into account which ones were the most important and why.

Question 5 did not answer particularly well across the board as learners this series had to design a 6-week training programme for an athlete. Learners struggled with this concept and designing a training programme that demonstrated a thorough understanding of the principles of fitness training was very rare. There were a considerable number of learners that didn't state intensity values for the individual to work at.

For this examination series, the mark scheme for unit 2 had the following percentage weighting for the different questions and traits;

Question/Traits	1	2	3
1	35%	35%	30%
2	40%	40%	20%
3	50%	50%	
4	50%	50%	
5	40%	60%	
6	70%	30%	

This was taken into account when marking the learner work and placing their answers into the relevant mark bands to decide their overall score for each question. This percentage weighting for the mark scheme may change every examination series to come in line with the current scenario being applied.

Individual Questions

The following section considers each question on the paper, providing examples of popular learner responses and a brief commentary of why the responses gained the marks they did. This section should be considered with the live external assessment and corresponding mark scheme.

Q1

Majority of the marks would be gained if learners could identify both positive and negative lifestyle factors from the screening information and describe these comprehensively. The lifestyle factors that should be covered are Sleep, Diet, Exercise, Smoking, Alcohol, Stress and a Sedentary Lifestyle.

Learners should also be able to give a detailed analytical approach of the lifestyle factors identified for the chosen individual, leading to an interpretation of their impact on their health and wellbeing. The interpretation should have specific relevance to the health and wellbeing of the individual.

Learners also needed to give a detailed analytical approach and interpretation of the health monitoring test results of the chosen individual. The interpretation should be made specifically relevant to the individual and their health and lifestyle. All 4 health monitoring test results should be covered from Resting Heart Rate, Blood Pressure, Waist to Hip Ratio and Body Mass Index (BMI).

Taskbook Please do not write answers outside the spaces provided. You must complete all activities in this taskbook. Interpret the lifestyle factors and screening information for Adam King. (12)According to Adams screening information he does not smore, this is a regative lifestyle factor. By not smoking a Adam is reducing the chances of developing coronary heart disease bronchibles and some was concers like cancer of the throat or long concer. The recommended amount is to not smoke at all. Adam says that he experiences stress on a daily basis dea to pressures of training and expectations of winning competitions. This is a negative lifestyle factor and the recommended amount of stress is none at all By experiencing this stress Adam is increases his chances of developing Stomach vicers and angina due to narround arteriss along with hypertension and strate The recommended amount of steep per night is 7-9 hours, Adam only gets ground 5-6, Lack of sleep is a regative lifestyk Factor and having a lack of steep

increases the chances of developing depression, Guereating and heavy disease A sedentary lifestyle is when you exercise for less then 30 minutes per day, 30 minutes a day is the recommended amount of exercise. Adam says that he works & S-6 hours evenyday as a full time attrete so he does not have a sedenterry lifestyle 9his is a negative Licestyle factor and by Adam not having a sedentary lifestyle he is decreasing the charges of stress and the strates and heart diseases, Mr king says he consumes 21 units of alcount per neek, the recommended amount is 14 whits so he is one this amount. This is a negative lifestyle factor, and by drinking dictuol he is increasing the change having a straker and developing depression due to the lowered reners of serotonin in the body when alcohd is consumed, in excessive use brain tissue can dre ACSULTING in a strated

Physical activity is very important, as Adam porticipates in the high I cuels of physical activity he is reducing the chances of obesity which will be putting extra stress on the NHS, this is an economic factor. Social reasons for participating in physical actuity is that it provides the opportunity to make friends while reducing isolation and increasing self-esteen Some Psychological benefits of physical activity is that it decreases stress and the Misk of developing depression. This is a positive lifestyle Factor as Adam participates in more than 30 minutes of physical activity a day which is the necommended amount through long distance whining. A balanced (JEt) is very important for a healthy licestyle, this is a positive Lifestyle Rictor, A balanced dret increases HDL and decreases LDL (bad chokestoria) in the body. By having a balanced dret Adam is decreasing the chances of type 2 and diabetes, heart disease. The recommended (Total for Activity 1 = 12 marks)

Lawe Q1 amount for a balanced diet is 5 a Marrie day of frit and negetables and Using the eather guide 1/3 of your plate is made up 68 complex considertes, and a 113 is fruit and megaterbles, with partrons of Pish with some beans and purses. He has a variety in his diet through Jacket potetoes for carbonydrates, steak for protein, Adam also prange for fint consumes 3 litres of water the recommended amount is 6.8 glasses, however as he is an atmete more may be needed. Water requires body systems and aids in transport, cell life and regolating body temperature, this decrease the risk OF becoming dehydrated. Adam also consumes calleine through tea and correcte recconnend amount a day is 400 mg, it has no nutritional values however con make Someone more aware.

Adams blood pressure is pre-high of 1191 SIMMING this will increase his chance of developing strakes, damage to hear vessels, heard attacks and coronary heart diseases This is allected by dams alcohol, stress iterers. Mr kings Pesting Dewit rate is 45 them this is of an athletic level for his age and gender. This a decreases the chances of developing heart diseases, strole and damage to hear ussels. This is affected by shess, alcohol and atting vereis. Adams BMD is 18 suggesting that The is underweight. This is a Geded by dret, activity benels, alcohol and spress. This decreases the chances of developing shores, heart diseases and type 3 diatetes this too toold be because the test Frally his warst-te-hip ratio is 0.75 this nears he is not carrying too much weight. This decreases the charles of developing Sheles, type - anapolies and hear disease ad is affected by alcohol and dret.

The learner has interpreted and described comprehensively all of the relevant positive and negative lifestyle factors from the screening information. Smoking, Stress, Sleep, Sedentary Lifestyle, Alcohol, Physical Activity and Diet have all been covered by the learner. This part of the answer has fallen into mark band 4 for trait 1 of the mark scheme.

The learner has also given a detailed analytical approach to the interpretation and impact of each of the lifestyle factors which has been made specifically relevant to the health and wellbeing of the individual. This part of the answer has fallen into mark band 4 for trait 2 of the mark scheme.

There has also been an analytical approach leading to the interpretation of the health monitoring test results and the interpretation has been made relevant to the individual. This part of the answer has fallen into mark band 3 for trait 3 of the mark scheme.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4
Interpret	0	1-4	5-7	8-9	10-12
lifestyle factors and screening information for an individual	No rewardable material	Lifestyle factors are identified from screening information. An interpretation of the impact of the lifestyle factors might be attempted, however has limited relevance to the health and wellbeing of the individual. An interpretation of health monitoring test results might be attempted, however is generic, lacking relevance to the individual.	Positive and negative lifestyle factors are identified from screening information, and are described. Attempted analytical approach, leads to an interpretation of the impact of the lifestyle factors; interpretation demonstrates general relevance to the health and wellbeing of the individual. Attempted analytical approach leads to an interpretation of health monitoring test results; interpretation is generally relevant to the individual.	Positive and negative lifestyle factors are identified from screening information, and are described in detail. Analytical approach leads to interpretation of the impact of the lifestyle factors; interpretation demonstrates relevance to the health and wellbeing of the individual. Analytical approach leads to interpretation of health monitoring test results; interpretation is relevant to the individual.	Positive and negative lifestyle factors are identified from screening information, and are comprehensively described. Detailed analytical approach, leading to an interpretation of the impact of the lifestyle factors; interpretation has specific relevance to the health and wellbeing of the individual. Detailed analytical approach, leading to an interpretation of health monitoring test results; interpretation is specifically relevant to the individual.

The learner could have picked up the one extra mark by giving a more detailed analytical approach of the interpretation of the four health monitoring test results against the normative data, making it specifically relevant to the individual within the scenario. This would have allowed the response to have fallen into band 4 for trait 3 of the mark scheme.

Q2

The higher band of marks were gained here for proposed lifestyle modification techniques that demonstrated specific relevance to the individual's lifestyle and their requirements. A learner should be able to give lifestyle modification techniques mainly based around reducing alcohol consumption and stress management techniques. Introducing a rest day into Adam's training programme as well relevant sleep strategies would also be considered here. High end marks would be given to a learner that suggested lifestyle modification techniques that are specific to the chosen individual and their lifestyle.

A learner will also be able to give a justification for the proposed modification techniques that are specifically relevant to the individual's lifestyle factors. The specification states several different lifestyle modification techniques for both alcohol consumption and stress management. Learners should be able to justify in detail at least one lifestyle modification technique from both stress and alcohol making them specifically relevant to the chosen individual in the scenario.

A learner should also be able to give proposals of lifestyle modifications that systematically link to the lifestyle factor analysis. The proposals given should demonstrate an understanding of significance, ie, which is the most important lifestyle modification technique and why.

This response gained 10 out of 12 marks.

2 Provide and justify lifestyle modification techniques for Adam King. (12)Adam areas to improve hus skeping as it's thad he's getting enough de mportant that he's this could help with feeling better and his. performance mother factor Adam needs to his stread webs tota N 0.0 UNIPROVE heis cont constanty atreau Which doesn't help when prairies and when big events are coming, which put his mau off the also reeds to SNOT GUR. the Amount of units he drunks currently adam is drinking 21 units where i be course por Neck when the government recommendation/quidelines in the per units por week tor men. A lastin final factor A dam needs to improve the he could Walk to work U.Stead to driving as it's only 20 minute walk to work. A dam is going to improve these four factors. by curtar Straques. Edam can improve his Shep in taking m not a dorug to but herbalis, which will make the run steepy and help him to to sleep. The importante of hdam gettyny marc will. that. allow his body to Shep to -it receiving and repair espically dang intensity braining where petenitality pull muscles ard

15

these muscles need time to repair so can grew back stronger. duep can be which into itreas so if Adam improves his stress wells they may mean that he will sleep better so a strategic that Adam could an improve his stress level is developing coping or stress managment technologies by having medation Alternative therapies so counselling and they can't dupport this him and prie him happy and advice on how to manage his stress levels better. Adam does regular exercise which helps with stress as well because exercise release hormones the feel good hermone called Sertoin, which makes you feel better and less stressed. Adam needs to reduce the Acholo consumption of 21 unit to below 214 units. The stat guis that he can use is conselling which are specialised trained therapist or AN youch Jelf - help group these could give him stat gies on now he can reduce the B auchol consumption, which causes stress to so reducing alcool may help with Stress jevels. And tin ally Kdam could get more exercise and save marry 14 he walked to work instead of

the asin DE CAUNA. car れへき he wa mer RENTLAS mast OVERAU the. Importan Facto am that Necds NUS ing Decause MEM U-J he legit ner H. s te really 204 mas mper ÔŤ. でてき to

The learner has proposed lifestyle modification techniques that demonstrate specific relevance to the individual's lifestyle and their requirements from the targeted scenario. Lifestyle modification techniques have been suggested around Stress, Alcohol and Sleep. The learner has given specific strategies to reduce alcohol consumption, stress management techniques and sleep strategies have also been covered within this answer. This part of the answer has fallen into mark band 4 for trait 1 of the mark scheme.

The learner has also justified the proposed modification techniques and made them relevant to the individual's lifestyle factors. The techniques that have been proposed have been justified in terms of the individual's lifestyle and work commitments. This part of the answer has fallen into mark band 3 for trait 2 of the mark scheme.

The lifestyle modification proposals do systematically and consistently link to the individual's lifestyle factor analysis and they do demonstrate a thorough understanding of significance. The proposals given by the learner have also been placed into a prioritisation through a relevant conclusion. The lifestyle modification techniques that have been proposed link to the individual's lifestyle factor analysis that was identified in Question 1. This part of the answer has fallen into mark band 4 for trait 3 of the mark scheme.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4
Proposed	0	1-3	4-6	7-9	10-12
lifestyle modification techniques	No rewardable material	Proposed lifestyle modification techniques are generic, with limited relevance to the individual's lifestyle or requirements.	Proposed lifestyle modification techniques demonstrate general relevance to the individual's lifestyle and requirements.	Proposed lifestyle modification techniques demonstrate relevance to the individual's lifestyle and requirements.	Proposed lifestyle modification techniques demonstrate specific relevance to the individual's lifestyle and requirements.
		Justification for proposed modifications might be attempted, however has limited relevance to the individual's lifestyle factors. Linkage between	Justification for proposed modifications is often present and generally relevant to the individual's lifestyle factors. Proposals link to lifestyle factor analysis, although	Justification for proposed modifications is present and relevant to the individual's lifestyle factors. Proposals systematically link to lifestyle factor analysis; proposals	Justification for proposed modifications is present and specifically relevant to the individual's lifestyle factors. Proposals systematically
		proposals and factor analysis might be present.	there may be occasional lapses.	demonstrate an understanding of significance.	and consistently link to lifestyle factor analysis; proposals may be prioritised, demonstrating thorough understanding of significance.

The learner could have picked up the extra two marks by giving a more detailed justification of each of the lifestyle modification techniques that have been proposed making them specifically relevant to the individual's lifestyle, health and wellbeing.

Q3

The proposed nutritional guidance should demonstrate specific relevance to the individual's requirements. The recommended daily allowance of calories for the individual should be stated and the fact that Adam is a full time long distance athlete should be taken into consideration here. Quantities and sources of food for both macronutrients and micronutrients must be proposed as well as hydration and the use of sports drinks and energy gels/bars. Carbohydrate loading can also be credited here.

The proposed nutritional guidance should be justified making it specifically relevant to the individual's dietary requirements for their sport. The fact that the chosen individual is a long-distance athlete must be taken into account.

This response gained 8 out of 8 marks.

3 Provide and justify nutritional guidance for Adam King to meet his specific requirements.

(8)Hermoge panel erru 00 Q U Ľ "diges Soral Ø C). ON Q1 00 a <u>[(</u>4 h 08 Ú ý MO K U ρ e n Ø æ Ø Ented ß L Ø ĊA 7

Energy halance is for mainly rooting Weight but his aim isnt to do this. Carpohydrares are a main companent is his dier Currently he ears" potato, crups, LOASK, pasta and chips. Normally this shauld be sons lower but due to him being elire and endurar he heeds at least 55% of his dier to 60% to be carbonydrates as need/more energy. IP help/ with replenishment of glylogen stores during velovery flome service and also used during exercise simple carbohydrater are a quick source of energy absorbed quickly to the body. Earth, just before and during a race, it can be found in Fruit and svgars. Complex Carbo hydrates is a source of energy bloken down slowly released over a Tong period. Should be eaten 2 hours before an found in passa, pread, rice and peans. Used in carboloading, where 2 days perfore race pat more carbonydrates IPS pat and protect (Total for Activity 3 = 8 marks)

Making Carbonyarares 35-95%. Of dier. Night before race email Fea which is an corbonydrates. Race day preakfult should be 3 hours hefore = 150g of Carbs. Protein has been shown in beans, chichen and steak within his. 3 chicken and steak within his dier. It should be 15% of dier for growth and repair of rissue. Compleare proteins contain au & estential amino acide suc oggi, beef and milk. Incomplete protein is food with one or more of the 8 amino acids missing. While is for growth and maintenance of Fissue Found in beans, corn and nuts. where sound in chocolare, Cripp, thee se and chips in Adams diel At is recoommended to have Over A for recoommended to have 30% of your diet to be parias it provides energy, absorbs viramins, main rains body tempodue and protects the body. Saturated par is bad fat as it raises your Tevel of chosesteroy in your blood. Migh Tevels of LOL chosesteros in your blood increases your rist of heave disease and stroke. Weddead

3	and Faind in charles init in mod
-	page Found in cheese, butter and
	processed foods. Unsaturated
	par jound in high ammounts
	in AULI, Jeeds, olly Flip and
	vegerables.
	Warer is used in cellin the body.
	organiand tiller to help with
	- Emperature and maintain
	podily punctions Body loser water
	due to breathing, tweating and
	digertion. Dehydration is when
	body loper too much pluid. Due to
	Sweaking in exercise, Vamiling
	and diahorra, Not drinking enologi
	causes mulche crown p. Hyperhydian
	has make was er men body contait
	Starting exercise like the improve
	thermoregulation. But can calle
	hyponatomia which is a tatal
	Condition from law level of
	Sodium in body chuidi. Reccommended
	10 drink 3.7 litres as heisan
	athlete is needs to drik
	more due to sweat 10/1. He
	drink 3 litre which will
	be line for kin.
	Viramins upd mineral are a
	imens but moortant part of
	your dier. In his dier jound in apple,
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Will have a better steep, lower blood pressure and weight 3 ducing Jalf reduces blood lawer rilk O 4 commended dise It a day e 60 01 Ja Mavia check ha Mis Vegelable 5 Frvir ana NA I nevent m CON. reau bower can Ê d am 1 FI Ve ada 10M0 01 can Impio /hi, and apping or Jom Ĵ Tane Il tak Ch nor gerable. 44

The learner has proposed nutritional guidance that demonstrates specific relevance to the individual's requirements of being a full-time athlete. The nutritional guidance is specific to the individual as they have covered all 3 macronutrients and their quantities, vitamins and minerals, hydration, ergogenic aids and sports drinks. Carbohydrate loading has also been mentioned by the learner. This part of the answer has fallen into mark band 4 for trait 1 of the mark scheme.

The learner has also justified the proposed nutritional guidance in detail and made it specifically relevant to the individuals' dietary requirements. The justification takes into account that the individual is a full-time athlete and that they take part in long distance running events. This part of the answer has fallen into mark band 4 for trait 2 of the mark scheme.

+ Activity 3

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4
Nutritional	0	1-2	3-4	5-6	7-8
guidance	No rewardable material	Proposed nutritional guidance is generic, with limited relevance to the individual's dietary requirements. Justification for proposed nutritional guidance has been attempted, however shows limited relevance to individual's dietary requirements.	Proposed nutritional guidance demonstrates general relevance to the individual's requirements. Justification for proposed nutritional guidance is generally relevant to the individual's dietary requirements.	Proposed nutritional guidance demonstrates relevance to the individual's requirements. Justification for proposed nutritional guidance is relevant to the individual's dietary requirements.	Proposed nutritional guidance demonstrates specific relevance to the individual's requirements. Justification for proposed nutritional guidance is specifically relevant to the individual's dietary requirements.

The learner did not cover the recommended daily allowance of calories for the individual but their response was clearly still very specific and well justified to be given 8 out of 8 marks.

Q4

To gain maximum marks for this question learners should be able to propose training methods that demonstrate specific relevance to the individuals training requirements. A learner should be able to propose training methods based around Aerobic Endurance, Muscular Endurance and Flexibility/Core Stability. A learner should be able to propose training methods for Aerobic Endurance such as Continuous Training, Fartlek Training, Interval Training and Circuit Training. For Muscular Endurance, it could be Circuit training again as well as Fixed Resistance Machines and Free Weights. For Flexibility/Core Stability, it could be Static stretching, Dynamic Stretching, PNF, Yoga, Pilates and any Gym Based Exercises such as the plank. Responses that suggested training methods based around power and strength would also be considered with this specific scenario.

A learner should be able to justify the proposed training methods above making it specifically relevant to the individual's training needs. Learners should be able to state which methods of training would be most appropriate and why.

This response gained 7 out of 8 marks

4 Propose and justify different training methods that meet Adam King's training needs. To meet adams goals Adam needs to tendertake the right types of training to meet his needs and requirements specifically As he is a long distance runner, be will need to be working to improve his aerobic endurance, muscular endurance and dexibility. To Improve deropic endurance, he can take part in continuous training, this should reneed lots of equipement, is easy to do and will holp achieve Adams goals by improving his respiritory system and cardiovascular system. This should be done at o medium intensity at around 60% of Mtlk. Fartuer training will also holp to do this varying intensity on different tenain will also be relevent to adam, and again its easy to do with improve aerobic endurance little equiptment. Interval trouning will also help by giving Adam rest periods in between high intendity work periods. This allows progressive over bad so will see improvements and is specifically relevant to adapti needs and requirements To improve muscular endurance circuit training can be done which can be changed around to avoid tedium (basedon) and to target different areas of fitness. Work and pest periods can be altered to show progression and theres also chance for recovery Resistance training will also improve muscular endurance by increasing size and strength of mite chondria for energy for derobic respiration. Also they give a guided range oc morement to reduce risk of injury. Weight training can also

be used with free weights caremust be taken however as there is more risk of injury with these. For Adam he must use high reps and low loads to improve mulaitar endurance. Adam could alternately use his own body weight for this type of training. This is specifically relevant to adams needs as it helps to improve muscular endurance which will enable him to reach his goals To improve flexibility, core stability training will help Adam doing Yoga or pitater will benefit him to strengthen. his core for better pesture and balance. Also improves physical, mentaland social well-being and increases fitness levels. Breathing techniques encorporated in yoga may also help with Adams stress management. Static and dynamic stretches are also a simple way to help adam achieve his goals by improving floxibility. This will reduce his rick of injury and it is specific for his individual needs and nequirements to reach his goals. There is a '60:80" rule' for endurance athletes train 80% at a low intentity and 20% at high intentity to help ment goals and requirements. (Total for Activity 4 = 8 marks)

The learner has proposed training methods for aerobic endurance, muscular endurance and flexibility/core stability showing specific relevance to the individuals training requirements and the scenario. The learner has discussed continuous, fartlek and interval training to improve the individual's aerobic endurance, circuit training and free weights for muscular endurance and finally yoga, Pilates, static and dynamic stretching to cover flexibility and core stability. This part of the answer has fallen into mark band 4 for trait 1 of the mark scheme.

The learner has also justified the proposed training methods making it relevant to the individuals training needs. The learner has stated the most suitable training methods for each of the main components of fitness that should be covered for the chosen individual and their training needs giving reasons why. This part of the answer has fallen into mark band 3 for trait 2 of the mark scheme.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4
Training	0	1-2	3-4	5-6	7-8
methods	No rewardable material	The proposed training methods are generic, with limited relevance to the individual's training requirements.	The proposed training methods demonstrate general relevance to the individual's training requirements.	The proposed training methods demonstrate relevance to the individual's training requirements.	The proposed training methods demonstrate specific relevance to the individual's training requirements.
		Justification for proposed methods is attempted however, is not always relevant to the individual's training needs.	Justification for proposed training methods is generally relevant to the individual's training needs.	Justification for proposed training methods is relevant to the individual's training needs.	Justification for proposed training methods is specifically relevant to the individual's training needs.

Activity 4

The learner could have gained the extra one mark if they had justified in greater detail each of the proposed training methods making it specifically relevant to Adam and his individual training needs.

Q5

Majority of the marks for question 5 would be gained if learners could design a training programme that demonstrated specific relevance to all of the fitness requirements for the chosen individual. Learners must include Aerobic Endurance, Muscular Endurance and Flexibility/Core Stability activities within the programme design.

The training programme should also demonstrate a thorough understanding of the principles of fitness training, in the context of the individual's lifestyle or training requirements. The FITT principle must be applied in full detail to the programme, being specific with the intensity of the activities. Additional principles of fitness training must also be applied such as specificity, overload, progression, reversibility, rest and recovery, adaptation, variation and individual needs. Not all of the additional principles of fitness training need to be applied here but the programme must demonstrate a thorough understanding of these and that they have been taken into account when designing the 3 weeks of the 6-week programme.

This response has gained 6 out of 6 marks.

5 Design weeks 1, 3 and 6 of a six-week fitness training programme for Adam King.					
Veek 1	(HR-	heart rate	[min-minute		
	AM	Physical activity	evening		
Monday	Cantrious (un paining: 45 mins 75% of MaxHR	(ircuit training 8 stanons 30 secs (work /rest) repear 3 trive) (1:1)	Pilates 30 min		
Tuesday	Floubility- sanc/passive dynamic site c.e.s. 25 mini	- Greek training	Rest		
Wednesday	Continuous 14 45 mins 75% of max HR	flocibulty scarc/passivel dynamic shede 25 min	Yega 30 mini		
Thursday	Internal training SX I KM Nep at 857. Max HR.	Nèlght haining 6 00000 2000 Inge, cale raires, 100 pless 30000 15 Verk rest estrav	DOSL		
Friday	flexibility - Staric/passing dynamic 25 mins	Rest	Continuous 15 min 75% max H		
Saturday	Interval Training SX IKH reps at 857. max HR.	Circuit trauning Bistation 30,500 Wark/rest 1:1 repear 3 bines.	1 1000		
Sunday	Rest	day.			

Week 3	HR - Hear all min - minute		
	AM	Physical activity	EVENING
Monday	SO MUNIS TST. Max HR	Arouning Maning Wark/rest 111 repear 3 times	Pilates
Tuesday	fletubulty stanc/passive/ dynamic sectors 30 mins	fortier training 50 mins 80% max HR.	Rest
Wednesday	50 mins 75% max HR.	flexibility static/achive/ dyramic stretches 30 mins	1099 : 35 min
Thursday	Inderval troining 7 x 1 KM ad 857. max HR.	100 press, 100 ges, 30 press, 100 ges, 30 press, 100 ges, 30 to 18 workton	Rest.
Friday	Alsolibrity active/passive/ dynamic strenches 30 min		(ontruow run 50 mins 75% max HR
Saturday	TXIKM at	Cilcult Maining 10 stanons 30 sec york/rest Repear 3 "1 Thries	Xbga 35 mins
Sunday	RESt	day	1

Week 6	HR-heart 1 Max-maxin min-minu	num	ep neximin
	AM	Physical activity	Evening
Monday	Somin Somin Somin Somin Roman HR	Circuit training 10 station 45 more /rest 1:1 repeat 3 times	Pulates 40 min
Tuesday	fictubility octive/passive/ dynamic/PNF 30 mins	Portlex Maring So min SST. Max HR	Pest
Wednesday	Continuous run Su mins 80/mgx HR.	flecibility active/passive/ dynamic/PNF 30 min	Yoga 40 min
Thursday	holenal tráinig 3 7x 1 KM rep. Ot 90%. Mgx HR.	Weigne training Texercises. 3 sets × 18 reps work/rest 1:1 65% Max HR	rest.
Friday	flocubility active/passive/ dynamic/PNF 30 mins	rest	Continuous 145 Min 80% Max HR
Saturday	Intervou taining 37XI KM rep 90% Max HR	Grant training Distations 45 Bec Hox/rot 1.1 topeod 3 times	20019 40mh
Sunday	Rest	day.	

The learner has designed a training programme that demonstrates specific relevance to all of the fitness requirements of the individual as they have included training methods for aerobic endurance, muscular endurance and flexibility/core stability. The learner has included continuous, interval and fartlek training for aerobic endurance, circuit training and weight training for muscular endurance as well as passive, static and dynamic stretching for flexibility and yoga for core stability. This part of the answer has fallen into mark band 3 for trait 1 of the mark scheme.

The training programme that has been designed has also demonstrated a thorough understanding of the principles of fitness training, in the context of the individual's lifestyle or training requirements. The learner has implemented the FITT principle each week and clearly stated the intensity for majority of the sessions. The training programme is specific to the individual and their needs and lifestyle as it is based around their sport. The programme progresses each week, has included rest and recovery days, has variation included with a variety of different training methods being used and the programme also takes the persons individual needs into account by including all of the relevant fitness requirements. This part of the answer has fallen into mark band 3 for trait 2 of the mark scheme.

Activity 5

Assessment focus	Band 0	Band 1	Band 2	Band 3
Six-week	0	1-2	3-4	5-6
training programme	No rewardable material	The training programme is generic, with limited relevance to the fitness requirements of the individual. Certain requirements may be omitted. The training programme demonstrates a limited understanding of the principles of fitness training, in the context of the individual's lifestyle or training requirements.	The training programme demonstrates relevance to the fitness requirements of the individual, although not all requirements are covered. The training programme demonstrates an understanding of the principles of fitness training, in the context of the individual's lifestyle or training requirements.	The training programme demonstrates specific relevance to all fitness requirements of the individual. The training programme demonstrates a thorough understanding of the principles of fitness training, in the context of the individual's lifestyle or training requirements.

There was a high percentage of learners that did not correctly apply the FITT principle to the training programme in question. Many learners did not state an intensity for majority of the sessions for the individual or include the bpm (beats per minute) or MHR (Maximal Heart Rate) where relevant.

Q6

A learner should be able to give a justification that demonstrates a thorough understanding of the principles of fitness training applied to their training programme. The FITT principle must be justified in relation to their training programme and again majority of the additional principles of fitness training should be justified such as specificity, overload, progression, reversibility, rest and recovery, adaptation, variation and individual needs in terms of the training programme that has been designed.

A learner should be able to give a justification that demonstrates relevance to the design of the training programme and the training requirements of the individual. Learners should be able to justify the aims and objectives of the training programme for the chosen individual as well as any personal goals and resources required. Periodisation should also be mentioned in the context of the design of the 6-week fitness training programme.

This response gained 13 out of 14 marks

6 Justify the fitness training programme that you have designed for Adam King. (14)From looking at Adams PAR-O I have come up with a hairing programme designed for him. I have varied the methods throughout to prevent beredon and to help with Adams recovery. I have chosen these lengths of training, methods of training and intensities of training to be specific to an exite level performer which Adam is. I considered the principle specificity when designing this training plan so it met Adams geals are ne has completed the 6 neers for example, I put in training methods to improve bits speed, or example interval training because he will need this as on the track runner. I also considered the principle progression when marking this basising programmer so that he is gradually interesting and getting better are time to that he can be the admitte he would to be I also considered the principle arenand to he could push himself to the maximum and to ensure his body was adapting by the training I also considered the principle reversibility this was because I made sure bot was gradually getting harder paris boay-to adapt but not too hard that he would injure pumilely and not be able to complete the training pion. I also considered the (FITT principul Frequency, I didn't adapted to much I just modified the time and percendage as Adam was aready braining a lot and I didn't want to ask injury. I also had to allow time for rest so that his body could adapt to the training, rest. and recovery Intensity, I increased so that the training plan was getting progressively harder, I did this by increasing the time, volumes and pro percenerges. (Time,) I increased throughout the training programme - & ensure reversibility didn't occur and so that is was getting more inderse nin Type, I a cranged up an the different session and training methods, this was so that Adam dian's get bored and feld that the braining was worth while as he was training everything and improving where he needed he for example his speed and lower 199 muscles which he will need as an admente I also took into consideration the SMARTER principles. I made the training plan specific to Adoms opais and needs, lasso medie it reasurable so that he could see where he was improving this prevented Adam from guitting because ne didn't onice of was halping him. It was and achevable and spoke-ic him because 1-look into consideration Adoms PAR-Q .59 Knew what he was careauble of and the interesties that he was already working as so that I could

make it harder Realistic, so that Adam could actually take part and complete the piggianne without it being to hard a easy Excercicy so That he didn't get bared or want to give up because he wasn't enjoying it and therefore didit want to by. Recorded, so that he could monuar his progression and we could adapt it where needed if it was to hard or easy This also fallowed Adam to identify his strength and yeaknesses. Throughout the programme) also ensuring that he wasn't always working the same mulcles and that he has reek times througheast the neek to allow Adams body to adapt to the training and Ballow rest and recovery I designed this training programmer by using a mesogycle which is the whole sx weeks of the piggiamme. I and also used micro cycles to change up the different weeks so it didn't get reperative and barry. I did these mille yeles in 2 and 3 week blooks Overall, -10 make design this training programme I considered Adams goods and PAR-Q to ensure it was specific and achemable.

The learner's justification has demonstrated a thorough understanding of the principles of fitness training that have been applied to the training programme. The learner has justified the FITT principle in relation to the training programme and the individual and they have also included majority of the additional principles of fitness training from the specification. They have commented on variation, specificity, overload, progression, reversibility, rest and recovery, and adaptation in terms of application to the training programme. This part of the response has fallen into mark band 4 for trait 1 of the mark scheme.

The justification given also demonstrates specific relevance to the design of the training programme and the training requirements of the individual. The learner has included personal goals of the programme for the individual and summarised this with the SMARTER acronym. They have also briefly mentioned and applied periodisation to the training programme and its design. This part of the answer has fallen into mark band 4 for trait 2 of the mark scheme.

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4
Provide a	0	1-4	5-7	8-10	11-14
justification	No	The justification	The justification	The justification	The justification
for the	rewardable	demonstrates a limited	demonstrates a limited	demonstrates an	demonstrates a thorough
training	material	understanding of the	understanding of the	understanding of the	understanding of the
programme		principles of fitness	principles of fitness	principles of fitness	principles of fitness
that has been		training.	training applied to the	training applied to the	training applied to the
produced for			training programme.	training programme.	training programme.
an individual		The justification is generic			
		with limited relevance to	The justification is	The justification	The justification
		the design of the training	generally relevant to the	demonstrates relevance to	demonstrates specific
		programme, or the	design of the training	the design of the training	relevance to the design of
		training requirements of	programme and the	programme and the	the training programme
		the individual.	training requirements of	training requirements of	and the training
			the individual.	the individual.	requirements of the individual.
					mulvidual.

Activity 6

The extra one mark could have been gained if the learner had given further justification around periodisation and its application to the training programme design.

There was a considerable number of learners that did not include any principles of fitness training when it came to their justification. Learners spoke about their fitness training programme but only in terms of what they had included for each of the 3 weeks, making their justification show a limited understanding of the principles of fitness training.

Summary

- Please make sure that all centres read the Administrative Support Guide document for BTEC National in Sport that can be found on the Pearson Website.
- Centres need to print off a Learner Record Sheet for each learner taking the task-based assessment and these should be submitted with their learner booklet.
- Question 2 did not respond as expected as there were a considerable number of learners that did not give specific lifestyle modification techniques that were taken from the specification. Learners only need to comment on the lifestyle factors that need improving for the selected individual within the scenario.
- Question 2, trait 3 did not perform as well as expected. Learners need to link their lifestyle modification techniques to the lifestyle factors from question one and give a conclusion that prioritises the different lifestyle modification techniques for the chosen individual. This will allow for more responses to fall into band 4 of the mark scheme for trait 3.
- Question 5 did not respond as well as expected as it seemed learners found it more challenging to design a training programme for an athlete within the scenario for this exam series. Some learners planned for Adam to walk, run or even cycle to training to increase the amount of exercise that he does instead of concentrating on his training sessions for the different components of fitness to improve his ability to reach his goal.
- For question 5, ensure the FITT principle is fully applied to the training programme including the intensity. For any aerobic based activity, the intensity values must include either MHR (Maximal Heart Rate) or BPM (Beats Per Minute).
- For question 6, ensure that the learners are justifying the design of their training programme through the application of the principles of fitness training. Some learners are only commenting on what they have planned for on specific days and weeks instead of demonstrating their knowledge around all of the principles of fitness training.





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