



Examiners' Report/ Lead Examiner Feedback

June 2018

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



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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 (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: <a href="qualifications.pearson.com/gradeboundaries">qualifications.pearson.com/gradeboundaries</a>

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

| Grade            | Unclassified | Near Pass | Pass | Merit | Distinction |
|------------------|--------------|-----------|------|-------|-------------|
| Boundary<br>Mark | 0            | 10        | 21   | 34    | 47          |

## Introduction

This was the third exam 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 and 1801 series.

The task-based assessment followed the same format as the 1706 and 1801 series with the emphasis being around a different scenario. The task-based assessment is split into 6 questions which are all open response answers and are awarded different marks.

Question 1 identified the different lifestyle factors of the chosen individual within the scenario as well as assessing their 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 be awarded a total of 12 marks. Question 3 would ask the learners to propose and justify nutritional guidance for the selected individual and would be awarded a total of 8 marks. Question 4 covered different training methods for the selected individual and would be awarded 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 be awarded 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 be awarded a total of 14 marks.

# Introduction to the Overall Performance of the Unit

Learners are starting to perform consistently better across the paper following two previous exam series. Learners are giving more detailed answers that are both taken from the unit specification as well as being made specific to the given scenario and individual. Learners appear to be using their preparation and research time effectively before part B is released and utilising the use of their notes within the controlled assessment period.

Question 1 responses again performed consistently well across the board due to the amount of information that was available for the learners to discuss within Part A and Part B of the scenario. 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 2 responded better than the previous 1801 series with learners giving more specific lifestyle modification techniques from the specification for the chosen individual. This series allowed for the learners to give lifestyle modification techniques

based around exercise, alcohol consumption and stress management. A large proportion of learners gave lifestyle modification techniques taken from the specification around these areas with some justification, if not more.

Question 4 and 5 both responded better than the previous 1801 exam series as the individual within this scenario was sedentary, having done no exercise in the past. This made learners responses more awardable as proposing training methods and planning a 6-week training programme was less of a challenge than it was for a specific athlete, which was suggested in 1801. Learners appeared to respond well to this question giving training methods from the specification and planning a 6-week training programme, taking the principles of training into account.

Question 6 performed as expected against previous exam series with a high proportion of learners giving responses based around the principles of training that they had implemented into their 6-week training programme. However, there are still a large number of learners that are giving responses that are away from the mark scheme and are justifying their 6-week training programme without mentioning the principles of training at all. Some learners are also giving limited information around the design of the programme taking into account its aims and objectives, equipment needed, personal goals and finally periodisation. Learners planning their exam time for each question should also be taken into consideration here as there are still a large proportion of responses that appear to have run out of time.

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 for the chosen individual within the scenario.

Question 3 did not answer as well as expected this series as learners struggled to give specific and detailed nutritional advice for the chosen individual within the scenario. A large proportion of learners emphasised their advice and guidance around the individual's meal times as well as the fact that they didn't eat breakfast on a regular basis. While this information was important, learners struggled to give more detailed nutritional advice around other aspects of their diet.

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% | 50% | 20% |
| 3               | 50% | 50% |     |
| 4               | 40% | 60% |     |
| 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.

# Question 1 – Interpret the lifestyle factors and screening information for Christine Timms.

Majority of the marks would be awarded 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 for 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).

#### This response gained 12 out of 12 marks

#### 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 Christine Timms.

(12)

One regotive Usestyle Foctor is alsona.

The gowernment recommends that we should consume no more than 14 units.

Give the con be seen that christine is currently consuming 25 units par week. Which 15 well above Government recommendations. This will therefore increase Christine's rish to chronic discose such as Christine's rish

Another negative lifestyle factor is stress. Christine experiences stress on a daily basis. This will have a negative effect on her health as high levels of contisol will be secreted which is the stress hormone and this can increase he high to diseases. Such as angulathis is the rarrowing and hardening of blood vessels which Leads to

| blood pressure incressing. This temporary        |
|--|
| rise in blood pressure could also put            |
| Christine at risk of a strake as arteries        |
| in the brain may split and rupture. The          |
| recommended amount of smess is none at           |
| all :  |
|  |
| A further negative lifestyle factor is a         |
| Sodercory likestyle. This is a likestyle where   |
| Here is severe mactivity. Christine has a        |
| Sedentary 200 working in on office. This         |
| can increase her chances of developing           |
| issues such as depression and heart disease      |
| and may also he a factor causing her             |
| D1-638.  |
|  |
| Additionally. Smoking is a negative usestyle     |
| Pactor but Christine states that she             |
| object andre. This will have a positive          |
| effect on her health as she decreases            |
| her susceptibility to CHD, bronchitis            |
| and cancer. The government recommends            |
| that acrone should make any amore and            |
| Christine is Sticking within these recommendator |
|  |
|  |

There are also positive likestyle factors which influence overall health and well being. One of these is sleep. The notional sleep foundation recommends that individuals should get between 7-9 hours a night.

However, Christine to currently only getting so this lack of sleep could be a cause of her mental health issues and mean she is more likely to suffer from depression.

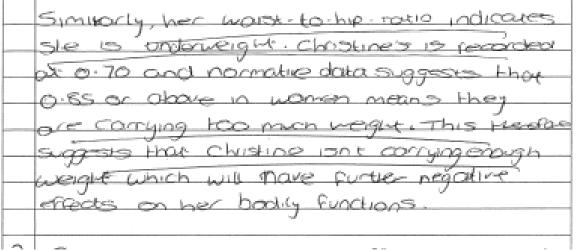
This lack of sleep could also read to over eating resulting in Obesty and even heart disease.

Another positive likestyle pador is physical activity. The government recommends that a woman Christine's age should be dang.

Iso minutes all aerobic exercises per week and strength exercises on 2 or more days who work all major muscle groups. However, Christine doesn't do any physical activity and this may read to issues such as obesity which is subsequently gang to have negative economic implications for the IVHs. Doing no physical activity may also until to Christine's stress as thee is no endorpnine (feel good harmones) being released

| In her body.                                      |
|---|
|   |
| The final positive lifestyle factor is died.      |
| the government recommends that an                 |
| average women should consume upta Zees            |
| Colories a day. It is ever that christine         |
| consumes no where near this amount                |
| This mesos that Christing isn't recieving -       |
| enough high density (ipoprater (good cholested)   |
| which heeps the blood flowing and too             |
| much Law - density Upgrotein which decreases      |
| blood flow. This will have negotive effects       |
| on chaistine such as poor immune system           |
| Functioning which will increase her suscopplicity |
| to Killness. The government also recommends       |
| drinking 6-89 cosses of water per day. Christine  |
| drinks no where near this amount and this         |
| could Herefore result in dehydration              |
|   |
| in relation to Christine's screening              |
| incorraction, her blood pressure is               |
| dierage at 180/20 mmhg compared                   |
| to normative data. This is a positive as          |
| her chances or strokes and domage to              |
| bicos vessels will decrense However, if se        |
| T) 4 TZ 4 T3 4 (Total for Activity 1 = 12 marks)  |

carries on drinking 25 units of alcohol a week and expensioning daily basis then her blood pr increase, futting her in donger developing these issue Christine's heart rate is currently 85 hpm. The average inormative) for a 48 year old remale is between 74/77 hom. This shows that Christines hear rose 15 way above what it should heart is working harder which may lead to her suffering heart dispage, strate or damage to blood vessels. This irreasy rove could be due LOW activity levels as well alcohol whome and daily stress. Christine's BM. of 16.5 Indicates that She is underweight. Normative data indicates that any BM, below 15.5 15 underweight. This could lead becoming ill and have regative effects immune System Functioning her at greater rish of illness



The learner has interpreted and comprehensively described 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 a detailed analytical approach leading to the interpretation of the health monitoring test results and the interpretation has been made specifically relevant to the individual. 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   |
|--|------------------------------|---|--|---|--|
| Interpret  | 0                            | 1-4   | 5-7  | 8-9   | 10-12  |
| lifestyle<br>factors and<br>screening<br>information<br>for<br>an individual | No<br>rewardable<br>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. |

Each scenario for all exam series will always allow for all seven lifestyle factors to be identified from the learner and therefore interpreted in the correct manner. Each scenario will also allow for all four health monitoring test results to be interpreted by the learner.

# Question 2 – Provide and justify lifestyle modification techniques for Christine Timms.

The higher band of marks were awarded here for proposed lifestyle modification techniques that demonstrated specific relevance to Christine's lifestyle and her requirements. A learner should be able to give lifestyle modification techniques based around alcohol, stress and physical activity. If a learner was to propose at least one technique from the specification for each of the 3 identified lifestyle factors, then their response would fall into mark band 4 for trait 1.

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 different lifestyle modification techniques for alcohol consumption, physical activity and stress management. Learners should be able to justify in detail at least one lifestyle modification technique from all three of these lifestyle factors making them specifically relevant to the chosen individual in the scenario. Learners should also take into consideration the 'barriers to change' while justifying their proposed lifestyle modification techniques.

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, i.e. which is the most important lifestyle modification technique and why.

### This response gained 12 out of 12 marks.

| ALMONAL  |
|--|
| ALCOTOL Physicol activity  |
| Z Provide and Justify lifestyle modification techniques for Christine Timms.   |
| Side Stress succes (12)  |
|  |
|  |
| Christine needs to adopt her lifesyle  |
|  |
| For the better 19 She worts to och eve   |
| her good of improving her overall hetelth  |
| · ·  |
| and well-being   |
| · ·  |
|  |
| one factor which peras to be modified  |
|  |
| is her kucoha intane. She is currently   |
| Consuming 25 units a week and she needs  |
|  |
| to limit this to livilis or below to stay  |
|  |
| in line with government necommendations.   |
| The can do this by seeking courselling.  |
|  |
| A conseller will find the primary trigger  |
| of Christine's alcohol Intake e.g. stress  |
|  |
| and attempt to eliminate this rigger   |
| Checcopolici, page motion conservati   |
| alecheosing consumption consequently.  |
| self-help groups such as alcohol annonymous  |
|  |
| May also help christine as one can speak   |
| to people suffering from similar issues.   |
|  |
| Alternatively Christine could replace some of  |
|  |
| her alcohal intake with wower to achieve the   |
| Zutre per day of water intaine that the government   |
| recommends. If Christing Uses those rechniques   |
| then it will be avalified as her sereening   |
| Service Servic |
|  |

results will decrease Christing ouse needs to modify the amount of physical activity she partabes in she currently does no physical activity. This could be modified by systing or langing to work instead of driving. This can be JUSTIFIED as It will enhance her confidence land derable endurance meaning that she is motivated to do more exercise. On her with break christing could also go for a work and this will be efficient as it will reduce her stress levels also having a positive effect on her mental health and well being. in her lesure time Christine gould also van He gym. This will help her build up to improving her general health and well-being. However one barrier which may prevent he from doing this is (cost. It she con't afford a gym membership ther En a sould be overcome by dong her own circuit or gong for a sog ROC free in her own himo. This vill subsectedly ceduse her hear rake to a healthy one of 74-77 bpm. Furthermore, Christine needs to work to eliminate her current (stress litres which may be caused by her work lead. Christine

could attempt to modify this by good setting on time management techniques. These will subs therefore motivate christing as she will have a good to work towards and will also help her balance her time to achieve a good work. life bolance which she is correctly looking. portaking in ocharg physical activity and meditating could also wark for Christine. This can be sustified because this will help to eliminate any negotivity that she may reel Subsequently this will also help to modify he screening results. Additionally, Christine needs to modify he Sleep. She currently gets shows a night and this needs to be increased to between 7/9 hours so know she is in line with government resemmendations, she could achieve this by fortaking in positive rish taking activities. This can be JUSTIFIED OF hese stimutate endorphine release which promote restry sleep.

attlebe, she can evercome bornes to change sun as cost time, Location and

| Leansport by promoting a healthy lifestyle for  |
|---|
| free in the comfort of her own home.            |
| She could complete gardening, housework or      |
| even go for a dog walk to improve her lifestyle |
| and Hess mean that none of the borriers         |
| previously mentioned are an issue for           |
| Christine improving her health and well-being.  |
|   |
| Overall, Christines main priority should        |
| be increasing the amount of socie               |
| Ste does This can be suspicied because          |
| If she starts partaking in forms of exercise    |
| Hen this will consequently new with her         |
| Stress which will Hen limit her alcohol         |
| intake and this could consequently land to      |
| better sleep and diet being adapted.            |
|   |
|   |
| 7(-4  |
| 12-4  |
| T3- 4   |
|   |
| (12)  |
|   |
|   |
| (Total for Activity 2 = 12 marks)               |
| 1 - dear the second of the second only          |

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 Physical Activity. The learner has given specific strategies taken from the specification to reduce alcohol consumption and stress management techniques and strategies to increase the amount of physical activity. This part of the answer has fallen into mark band 4 for trait 1 of the mark scheme as the learner has proposed at least one technique from the specification for each of the three identified lifestyle factors.

The learner has also justified the proposed modification techniques and made them specifically relevant to the individuals lifestyle factors. The techniques that have been proposed have been justified in terms of the individual's lifestyle and work commitments and the 'barriers to change' have also been taken into consideration here. This part of the learners' answer has fallen into mark band 4 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.

| A | ct | İİ۱ | νi | ty | 1 | 2 |
|---|----|-----|----|----|---|---|
|   |    |     |    |    |   |   |

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

Each scenario for the different exam series will always allow for lifestyle modification techniques to be proposed for either stress, alcohol, smoking and/or physical activity. The learner must propose lifestyle modification techniques that are taken from the specification for each of the identified lifestyle factors that need to be addressed for the chosen individual. If the chosen individual does not smoke, then a learner would not need to propose a lifestyle modification technique for this factor.

# Question 3 – Provide and justify your nutritional guidance for Christine Timms to meet her specific needs.

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, quantities and sources of food for both macronutrients and micronutrients must be proposed as well as hydration levels. To make the nutritional guidance specifically relevant for Christine, the learner must propose for her to adapt her diet to gain weight in a healthy manner. The learner may also wish to mention meal times and not eating breakfast on a regular basis.

The proposed nutritional guidance should be justified making it specifically relevant to the individual's dietary requirements for their health and wellbeing. The fact that the chosen individual has been highlighted as being underweight must be taken into consideration here if the learners response is to fall into the higher mark bands.

#### This response gained 8 out of 8 marks.

Provide and justify your nutritional guidance for Christine Timms to meet her specific needs. THE MOUNT OF SHOWN PREMISSED DINOUN IN gram was palas a sex LN4CHC6 MUSHG. MEDD IN 2407-1211200 OPER to endire one is 50407

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as proven, proven is a macrorantert CLEBRAGE IN TOURS OWNERS) CHILDRE MERCUS MORE MOREN IN HER OURS POR earn so sit es per a per a per hier wares (Obsart persons ret PEDECOSE DE CHOICEZ OF BEHLUD ECK ora round time our would endbed a, wix of eauther combiek END IN ENGER BADONOON DIE Even as cherenture and rentus avvene word orgo natione her 21 2mg 20 1+22-02) south, and ( dincore, preak agongy) the min dine we everlish to ceep no map some wife eyes event reams SIMPLE COURS ENCY OF CHOCIONS ENTE and the comp increase CONTREE CO PER 2400 3510000 and sages curemes were are amou be 124. tright courses (50 d top a golf), make we young rearine Egenerag tot inch as charale and hoboard of them antain high colegipal and remove with unsatherented that even as IN 2003M JUH , SHUN DOD SHURED LAMON COURTED ON HANDLIN 5504 51 detected on Juney wants and coone dood total mon aproce arenis . Church supply would water are are not her Boday as one only was up to as and 3 tunglined a good.

THE WILL DE ME ME ME SUB LLE SUIT · SENTION WOME IN DERICE 2000 CONTRES 1 wand recomed sourach or direct dried from for inon intoine (14.8mg) or orange Julie (whom c) mean timing also contributes to heathy and expedim is a paperty menon WEDGIN D 21 2WB- 420 12WB32 2009 weat as a merez cornar abbetie mich suc 10022. for psearctor who comp have from for out muc colours or so with or sold? (mymn o) impring ron to more one one cost type will anded or colorer. looking and the FORME WE GROED YOU GILLY, OUT MONEL. ELE SERVICE FORMAN SI WITH 0200 ENGREW PROS TO 10 10 1000 bor 1940, should reason to easing ard remove made bradings, are overing selection accords a cotter WHY WOLFE HE ENGLE SHE WHENCES IL O GOOD IN THE SAME THE WORLD MAY LEGG WERE OF SUP BY CASE MODELINE PROPORT ULL SUT (220) ord some meider no choing wiends Sorre in EQU WINTED WOLL & EXHAGE ELE COMO PONSE ELOBERO PRINCI or binoy & word on one but HEID HEL GERMÓ GICKHEME & wearted northy mayoung cornered

The learner has proposed nutritional guidance that demonstrates specific relevance to the individual's requirements. The nutritional guidance is specific to the individual as they have covered all three macronutrients, their quantities and sources of food, micronutrients their quantities and sources of food, hydration levels and the recommended daily allowance of calories. The individual's meal times and lack of breakfast has also been taken into consideration as well as the fact that the client wishes to start an exercise programme. 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 underweight and that they need to increase their body mass in a healthy manner. The justification also considers that the client will be starting an exercise programme and how this may affect their dietary intake. 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<br>rewardable<br>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. |

There was a vast majority of learners that focused on giving dietary guidance based solely around meal times and that the client does not eat breakfast. While this is important, learners must also propose other dietary information such as the recommended daily allowance of calories for the individual, macronutrients, micronutrients and hydration levels.

# Question 4 – Propose and justify different training methods that meet Christine Timms' training needs.

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 at least one training method for Aerobic Endurance from Continuous Training, Fartlek Training, Interval Training and Circuit Training. For Muscular Endurance, it could either 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. If a learner proposed at least one training method from the specification for each of the three physical components of fitness identified, then they would fall into mark band 4 for trait 1.

A learner should be able to justify their proposed training methods identified making them specifically relevant to the individual's training needs. Learners should be able to state which method of training would be most appropriate and why for each of the three physical components of fitness highlighted in this scenario.

### This response gained 7 out of 8 marks

| Propose and justify different training methods that meet Christine Timms' train needs. |
|--|
| For christing 1 reconnected that the should  |
| take put in continuous france Continuous frances                                       |
| is money at a Hendy pace over a long distance.   |
| This will improve in he aerobic endurance rel  |
| was cardiovascular fress. When tranging like the                                       |
| Owestine should am for 60 % of MHR is the  |
| words to burn-forts and 70-80% to suprone  |
| on aerohie fitness. This will best help to soo   |
| achieve her goals of becomeny more healthy orely                                       |
| androvariable fitness effectively. Also fortlet training which                         |
| news you wary the intensity in which you from  |
| at . This will benegit Chrestine on their a beginner                                   |
| red can start ad a low interesty to south increase                                     |
| aerobic inclusive, internal training, which is alternating                             |
| he intensity in which you unch at constrating  |
| The is a good fell honer and doesn't become feding                                     |
| to it will beep her enjuged  |
| 1  |
| To improve on muscular bridgence you recommend   |
| away fixed maderes at the gym or she is a  |
| Start to heale it size out casies. Once the  |
|  |

| feels confident more onto free weights nel work         |
|---|
| for larger repristions (20 reps for 3 self).            |
| for larger repetitions (20 reps for 3 self).            |
| Ako circust focusing can be used for musulone           |
| endance of so aerobic stress 5 deg con                  |
| he made sport specific. This is good for her            |
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| flexibility is the range range of movements in or asoul |
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| should have put in a State Aretchy. This                |
| cartury active and passing thetelog is where            |
| active stretching means it can be done individually     |
| which is a fine sure for her vol passing                |
| stuckling, many day to which thetching will a           |
| partner or in an object. A more advanced                |
| nothed a of myrong fleighthe in thoop PUF               |
| which must be done with a proffesional                  |
| to get the hest results.                                |
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|   |
| (Total for Activity 4 = 8 marks)                        |
|   |

The learner has proposed at least one training method for aerobic endurance, muscular endurance and flexibility/core stability from the specification 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 static stretching to cover flexibility. 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 them specifically relevant to the individuals training needs. The learner has justified each training method for each of the main components of fitness highlighted that could be used for the chosen individual and their training needs. This part of the answer has fallen into mark band 4 for trait 2 of the mark scheme.

**Activity 4** 

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

The learner could have gained the extra one mark if they had justified in greater detail each of the proposed training methods for each of the highlighted components of fitness, making them specifically relevant to Christine and her individual training needs. A learner can propose several training methods for one component of fitness, but they should be able to justify in detail at least one of these stating why this may be the most beneficial to the client.

# Question 5 – Design weeks 1, 3 and 6 of a 6-week fitness training programme for Christine Timms.

Majority of the marks for question 5 would be awarded if candidates could design a training programme that demonstrated specific relevance to all of the fitness requirements for the chosen individual. Candidates must include Aerobic Endurance, Muscular Endurance and Flexibility/Core Stability activities within the programme design. If a learner included one training method for each of the three highlighted components of fitness then their response would fall into mark band 3 for trait 1.

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 Christine Timms.  (6)  Week 1 |   |  |  |  |
|--|---|--|--|--|
|  | Physical activity   |  |  |  |
| Monday   | Drive Voga class  |  |  |  |
| Tuesday  | Rest Day  |  |  |  |
| Wednesday  | Merring Afrancial Drive 1.25 Walk 1.25 Evening the malk nules walk 1.25 Height training the malk Orive 1.3 reps and nules have 4 sets 20 secs |  |  |  |
| Thursday   | Drive 1.25 Walk 1.25 Evenus  Miles   Miles   Pilates dass  Malk   Drive   20 mins  Miles horre  |  |  |  |
| Friday   | Rest Day  |  |  |  |
| Saturday   | Prive 1.25 20 rin weight training with 15% = 18 m ests squares 15 reps squares 15 reps squares  |  |  |  |
| Sunday   | Rest day  |  |  |  |

| Week 3    |   |  |  |  |
|-----------|---|--|--|--|
|           | Physical activity   |  |  |  |
| Monday    | Walk Walk Plates does   |  |  |  |
| Tuesday   | Rest Day  |  |  |  |
| Wednesday | Walk whe   Walk   Swinning lengths all the   Walk   Swinning lengths all the   50% = MHK way to home   50% = mins             |  |  |  |
| Thursday  | Walk weeks training all the Walk   30% = 12 m using to   Walk   30% = 12 m using to look   18 reps 25 sees work   5 sets rest |  |  |  |
| Friday    | walk Walk / Yorga clas<br>way home 25 mins  |  |  |  |
| Saturday  | Rest Day  |  |  |  |
| Sunday    | 25 run 50%   Weight braining<br>run with 50% = 1km 18 reps<br>running dub 5 sets 25 secs<br>running dub                       |  |  |  |

| Week 6    | T1-3<br>T2-3 6  |  |  |  |
|-----------|---|--|--|--|
|           | Physical activity   |  |  |  |
| Monday    | Cycle to Cycle Weight training work to busine   SSN=1RM 22 reps 30 sees SON=MHR SON=MHR 6 sets rest |  |  |  |
| Tuesday   | Rest Day  |  |  |  |
| Wednesday | Cycle to Cycle Yoga class<br>mork / home / Yoga class<br>50%-HHR SO% MHR? 30 runs                   |  |  |  |
| Thursday  | Cycle to Cycle Weight trouning more home SS%=IRM SO%=IMMR SO%=IMMR SOSEES VEST                      |  |  |  |
| Friday    | Cycle to Cycle   Swirming lengths more   home   60% = MHR   SON = MHR   30 mins                     |  |  |  |
| Saturday  | Rest Day  |  |  |  |
| Sunday    | Plates   30 mins run mich class   running club 60% = MHR  |  |  |  |
|           | (Total for Activity 5 = 6 marks)  |  |  |  |

The learner has designed a training programme that demonstrates specific relevance to all of the fitness requirements of the individual as they have included at least one training method for aerobic endurance, muscular endurance and flexibility/core stability. The learner has included walking and running for aerobic endurance, weight training for muscular endurance as well as yoga core stability/flexibility. 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 work pattern. 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<br>programme | No<br>rewardable<br>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.

# Question 6 – Justify the fitness training programme that you have designed for Christine Timms.

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. If learners justify correctly and in detail the FITT principle plus at least 6 additional principles of training, then their response would fall into mark band 4 for trait 1 of the mark scheme.

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.

6 Justify the fitness training programme that you have designed for Christine Timms. (14)evorams of consumples to interms to mos to indicate nei deveral truent sensito no oriopir endurance and flexibility this makes her tikely to reach the guidelines of 150 minutes of aerobic activity a week, help her gain weight, raise BMI, lower RHR and get a nnalad boop The programme includes specifically as I then mid wetwoon of training sinitable for redinuers and to rucieose her corgrovascina threes and temporal with brodiamine brodiesses Of IGODO LINESOD UDOG DILL SUIC SAOM the same training edities test betroap ncrease (week 1 she cycles at 501) MHR but by week 6 ins is 800 MHR). For week 3 and 6 I added an overload ression more the pody varder than volwar to stromac pure capitations sported in upertrophy to develop stronger muscles. Hear nough a sight will dramapul throughout the programme to prevent capit suc It inmidicions pur mum

storonsise www.cnortagapa.pninan The streaching incitided mainting up and cooling down prevent injury. The programme LAR DEL MONAGARO DESCONO A LAR CAROLLES ner use as PA for a large company music sur teeps bythicapph and wevrapph m more improves, she will move from COUDIT 3172 PLOUDAMISTON OF COCCOD PROMIPS WY CAMIM DUO GLOM OF HOM BUT UO much wom to referse engothern for the afternoon. The test and recovery periods allows her musico, bones and rishle to repair to complete the programme Higher STOM OF EDDST SUITCILLY NO COSTIC burmono incos burmont burgow controldopo tor brodiession (ed choning 3 times a mees iomei than 2 The FITT principles are shown for for caconing more of the continuation of Haveling to work wunout the car By week 6, sus nont a pedrover so can brown the poppin a burunhine outro ma ispirod hpod to bioneur rutarit i aageg a marte ou Sunday week 6 to feel calkano week ! was I tarrier session pm mass 3 to prone 5

intending of the brodiamus and windows meet 1 sue choso or 201 WHE pm mess e no 80.1 WHE ZUG OND UND FOI JOILLER sessions as one is futer. Loda cuaudes trom pedruver so instituegrase estampines need a new challenge. She will not LUDICCOC HUD W ENTURITIONS DG 13/13/10UD increase in time (eg. Faitlet 30 mins to 45 mins or swimming 30 mins to 1 how). It taz aroma mork reamond tiwo tor excuses. Type of Hairing nas been knosen pased on fitness tevels. Continuous, failte and weight for around her filestiffe pest and have the reast amount of partiets to overcome untike critical training core COSTC SKULDS OF GLOT LIVE PHILIPAGIC Christille,2 bediamile is natiled to order to sharm stormine one wimps missid diomin Furming promise minimos EXCUING MORING NOT MOTE LIRBUM TO DEIDENETE The programme is specific as sine is a ngge gd nas eller co gldarwagm, rennipad after the 6 week mesocycle, achievable as the confiction, project count no baced as the of sub bound smir, stylesful sold purious suf-

microchae pend som in our examina and recordable so she stays motivated The programme is made up of weekly microcycles corming a 6 week missayile emmangorg ent comp northochourse ant woll sunding anowing you to wavage physical stress casier. Each microcycle adds vem cuarrends brensurind reamin and overtraining it a extended a month pecama a madacyde marund no and cooping gome bishops Cham sur committee in terms to purpose ware briggle increasing rands of movement and reduces her realitime after EXELLOSE TO DIENELL PLOOD DOOPING COOPING down and still thing (wither relieves sites) to our most no our cours one THE DEODLOWWO The methods I have used should benefit counting and prevent barrets such as cost If me can follow this, are will meet her (Total for Activity 6 = 14 marks) TOTAL FOR TASK = 60 MARKS

| 6 goals of improved health and          |
|---|
| programme and be motivated to continue  |
| brodrawwe and be worthated to continute |
| exercising to keep her weight up after  |
| the programme and stay cose to the      |
| deservation amagines in an asbear of    |
| realth, physical and mental.            |
|   |
|   |

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, adaptation and finally individual needs 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 demonstrates relevance to the design of the training programme and the training requirements of the individual. The learner has included the aim of the programme for the individual and summarised this with the SMARTER acronym. They have also covered and applied periodisation to the training programme and its design. This part of the answer has fallen into mark band 3 for trait 2 of the mark scheme.

Activity 6

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

The extra two marks could have been awarded if the learner had given further justification around the training programme design making it specifically relevant to the

chosen individual in the scenario. The learner could have added the resources to be used in the training programme, the objectives that have been set for Christine and more on her personal goals. This would have allowed the learners response to fall into mark band 4 for trait 2.

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 at; <a href="http://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Sport/20161/external-assessment/2017\_Sport\_ASG\_L3\_U2.docx">L3\_U2.docx</a>
   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, 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 3 did not answer as well as expected this series. A large proportion of learners emphasised their nutritional advice and guidance around the individual's meal times as well as the fact that they didn't eat breakfast on a regular basis. While this information was important, learners struggled to give more detailed nutritional advice around other aspects of their diet and from the specification.
- 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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