

BTEC Sport

Summer Bridging Work

Name: _____

Submission Deadline: Monday 7th September 2020

BTEC LEVEL 3 EXTENDED CERTIFACTE/DIPLOMA: SPORT

Welcome to BTEC Sport. A BTEC is a vocational qualification, and it will help prepare you in a huge range of careers.

The health and fitness industry has grown significantly over the last 10 years, and is set to continue to grow. There is a demand for exercise professionals, and there are great employment opportunities out there for you on completion of this course. You just need to make sure that your CV is full in preparation to apply for University, Apprenticeship and jobs.

The PE Department would recommend that you take every opportunity offered to you, be proactive and do as many volunteering hours as you can; within the PE Department and beyond.

Good luck and most of all, enjoy the course.

Mr Bailey

Assistant Director of Sport

During this course you will complete Unit 2 which is Fitness Training & Programming for Health, Sport & Well-being. You will be sitting your first internal exam in January where you will receive a scenario and questions. The exam is 2 $\frac{1}{2}$ hours and covers a variety of areas surrounding Fitness training and Health and Well-being.

Unit 2: Fitness Training and Programming for Health, Sport and Well-being, learners interpret lifestyle factors and health screening data to develop and justify a fitness training programme and nutritional advice for a client. Learners interpret the data using knowledge and understanding from their studies of the sector and apply both transferable and specialist knowledge and skills. In delivering the unit you need to encourage learners to draw on their broader learning so they will be prepared for the assessment.

Unit introduction

The health and fitness industry is concerned with helping to support clients to increase their fitness levels and also ensuring a client is in appropriate health to take on a fitness programme. To work in the health and fitness industry, staff need to know how to assess clients and then be able to plan appropriate training programmes to take into account individual needs. In this unit, you will explore the process required for screening clients and assessing their lifestyle and nutritional intake. How to interpret this information will then be examined. From this information you will explore how to make judgements on a specific individual's current lifestyle and then suggest modifications to help improve the individual's fitness, health and overall well-being. Fitness training methods will be examined for each component of physical and skill-related fitness. The selection of appropriate training methods for a selected individual and their application into a training programme will then be explored. In this unit, you will draw on your learning from across your programme to complete the assessment task. Carrying out client screening and designing fitness training programmes is an essential skill for many people working in the sports industry, including sports coaches looking to improve an individual or team's sporting performance. Any person working in these careers would need to be able to carry out client screening and the design of training programmes in time-constrained conditions, utilising knowledge gained from previous experiences. This unit has been selected as an externally-assessed unit as it replicates the processes that are carried out in the industry, and as a synoptic unit as the knowledge and skills can be applied to the content of a number of units in the qualification.

Unit 2: Content

- A- Examine lifestyle factors and their effect on health and well-being
- B- Understand the screening processes for training programming
- C- Understand programme-related nutritional needs
- D- Examine training methods for different components of fitness
- E -Understand training programme design

<u>Unit 2: Task</u>

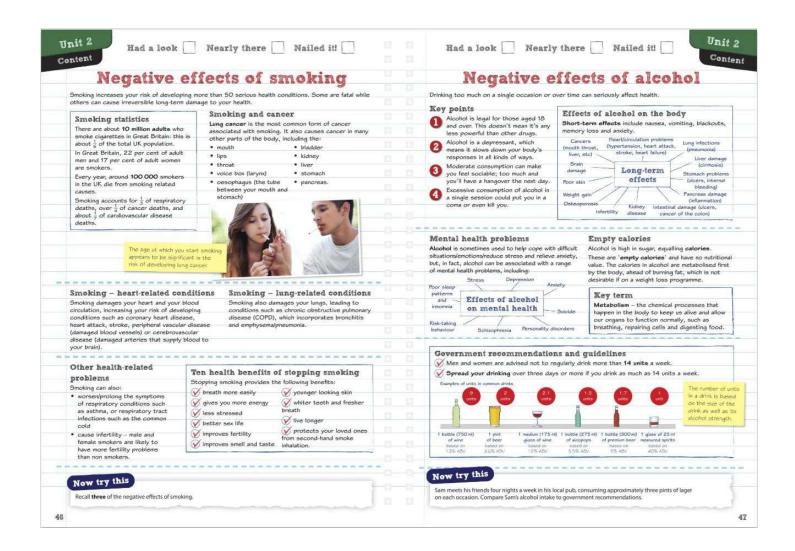
You are to read through the following 6 pages.

You are to create a Health and Well-being booklet.

Your booklet must cover the following areas:

- \Box Types of exercise you can do
- □ Benefits of exercise
- $\hfill\square$ Recommendations for the amount of exercise you must do
- $\hfill\square$ What's in a balance diet and what strategies can help you find that balance
- □ Negative effects of smoking and alcohol
- □ Information surrounding stress and sleep
- □ How to quit/cut down on smoking and alcohol
- $\hfill\square$ What barriers may you come across when trying to change

nit 2 ntent	k Nearly there	Nailed it!		Had a look Near	ly there Nailed it! Conte		
Exercise	and physica	al activity		A ba	alanced diet		
	who regularly partake in physical ad	tivity or exercise are less prone to		An increasing number of adults and childre that many of us are eating more than we a	en are classified as overweight or obese. This simply means		
Physical and psychologi exercise Reduces risk Weight	Socia	al and economic benefits : ourages social interaction		What is a balanced diet? • Eating the right amount of food to ach maintain a healthy body weight.	 improves immune function 		
Improves of chronic contro body shape	flexibility / balance • red			 Eating a wide variety of foods in the rid proportions. 	 prevents disease and improves mood 		
Alleviates anxiety Health ben Relieves of exerci	efits bones Econo	Sector Sect		The Eat Well Plate shows the different types of food that should make up our diet, and the	 reduced risk of developing chronic diseases. 		
stress Reduces depression	Boosts immune system	uces NHS costs ates employment ports businesses uces absenteeism in the workplace.		required proportions we should eat them in.	The NHS key recommendations from the Eat Well Plate		
	y growth / Improves sleep				The recommendations are to eat: • plenty of fruit and vegetables • plenty of potatoes, bread, rice and pasta		
Key definitions Physical activity is any activity	 Everyday activities – f 	sical activity/exercise			 some milk and dairy foods some meat, fish, eggs and beans a small amount of food / drink high in fat or sugar. 		
that increases energy expenditure above resting level.	that increases energy expenditure active / manual work as part of a job.			THE SECTION OF THE SE	- a smail amount or sood / anink high in fat or sugar.		
more structure and is usually				Fluid intake	Staataging for improving distant into he		
Sedentary lifestyle is a type of lifestyle with no or irregular physical activity.	or during an exercise c sports such as football	ass, swimming and competitive , rugby and tennis, etc.		Water is essential for life; it is very important to get the right amount of fluid to be healthy.	Strategies for improving dietary intake Timing of meals - eat at appropriate times to aid fat burning, reduce hunger and balance stress hormones.		
Remember, physical activity has t be current and continued for ther to be health benefits.	there and continued for there levels, such as rock climbing, sky o			To maintain water balance a sedentary individual requires 2–2.5 litres of fluid per day (6–8 glasses).	Breakfast is the most important meal of the day. Eating late at night can produce negative effects, such as sleep issues, weight gain, heart burn and acid reflux.		
			Physical activity, the weather and age determine how much fluid we require.	 Number of meals – you should aim to eat at regular intervals (every 3–4 hours). Food choices – ensure a balance of food groups; aim 			
Physical activity/exercis Children and young people	e: government recomme Adults (19-64 years)	Older adults (65+ years)		Moderation of caffeine	to eat five fruits / vegetables a day. Reduce salt intake. Aim to consume recommended calories (2500 men/2000		
(5-18 years) • Moderate-vigorous physical	Moderate activity 30 min -	Should be active daily		intake Caffeine is an addictive mild stimulant,	women). Check food labels for healthier options, such as those low in salt / sugar.		
activity for 60 min per day • Vigorous activities 3 times a week minimum	five times per week Moderate / vigorous activity – 150 min spread across week	Moderate / vigorous activity - 150 min spread across week		which provides no nutritional value, so moderate caffeine consumption of around 400 mg (4-5 average cups)	Orink alcohol in moderation – as per government guidelines. Onsider portion sizes – reduce sizes and avoid		
 Activity for strength – 3 times a week 	 Activity for strength – 2 times a week 	Activity for strength – 2 times a week		per day is recommended. Remember we also get water from	second helpings. Food organisation and preparation – plan meals the		
				the food we eat; on average food provides about 20 per cent of our total fluid intake.	night before, consider how meals are cooked, such as grilling rather than frying.		
Now try this			6-6-				
Jack is a 35-year-old office worker wh	o plays 5-a side football for two 1-hour	essions per week.		Now try this			



Burders and provide partner can interlink - affecting how we led, thick, behave and how curbedy and a mean construction and a mea	Stress and a poor sleep pattern can interlin	and sle								
While Some of the effects of stress Some of the effects of stress The provide activity, Strategies are essential to overcome these burries. Outcome the stress. Pressure turns like actives on who you feel under the weight fram your might fr			ep				Barriers to change			
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Family 4 fixeds Call C Call			Tearful / crying				safe environments support willpower / commit	stand up while making phone calls,		
Lang-term effects of stress Role of sleep Sleep is a restorative state which plays a vital role in our health. If sleep is out short, the body doesn't have time to complete all the phases inceded for: use derived: wakin conditions indeet regulare indee regulare indeet regulare <li< td=""><td>Family & friends Relationships</td><td></td><td></td><td></td><td></td><td></td><td>most common barriers to physical activity</td><td> Adapt leisure time activities; </td></li<>	Family & friends Relationships						most common barriers to physical activity	 Adapt leisure time activities; 		
These include: Sleep is a restartive state which plays a vial role in our health. If sleep is cut short, the body doesn't have time to complete all the phase meeded for: Overcoming the cost barrier Overcoming the transport/local barrier • poor immune system • memory consolidation • walking and jogging are low in cost. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Walking and jogging are low in cost. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Use reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on the car increases activity at home, (ardening, housework) is free. • Less reliance on thor at ware work) wate memory and	Long-term effects of stress	Role of sl	eep		+ 13 		that physical activity can be part of daily life.	 Select activities that require minima 		
• skin conditions doesn't have time to complete all the phases 1 can't afford a gym membersHet The dym is too far from my kouse.' • heart disease / heart attack • muscle repair • Walking to work or increasing activity at home (gardening, housework) is free. • Walking and jogging are low in cost. • Less reliance on the car increases activity les. • storake • memory consolidation • Walking and jogging are low in cost. • Less reliance on the car increases activity les. • storake to loters • release of homomes regulating growth and appetite. • Walking and jogging are low in cost. • Less reliance on the car increases activity les. • depression. • Effects of poor sleep • Men commuting, get off one stop earlier s wak the remaining distance. • Park your car further away and walk. • borr immuse system • Effects of poor sleep • Door immuse state • Overcoming lack of energy/ motivation • Anors of good-quality sleep an ight to function properly. Some individuals need more or less. • Schedule exercise when you have most energy or plan shead. • High blood pressure • High blood pressure • Schedule exercise when you have most energy or plan shead. • Fark your de the kids or when they are not anond. • Now try this • Estrecise in the morning to avoid excuses. • Ensure a variety of activities. • Estrecise with the kids or when they are not anond.	These include:	Sleep is a re	storative state whi			-	Overcoming the cost barrier	Overcoming the transport/locatio		
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Effects of poor sleep Becommendations Park your car further away and walk. Poor immune system Heart disease Diabetes Poor immune system Heart disease Overcoming lack of energy/ motivation Overcoming family obligations a barrier Memory problems Sleep not health Reduced sex drive Schedule exercise when you have most energy or plan ahead. Take babysiting with a friend, neighbour of family member. Strick High blood pressure Stress Think positively: exercise will increase your energy levels. Take babysiting with a friend, neighbour of family member. Invite a triend. Ensure a variety of activities. Set a bike or use home gymnabium equipme Ensure a variety of activities. Set a bike or use home gymnabium equipme								A CONTRACTOR OF		
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Cold and Nu Effects of poor Hoor mental health Sleep a night to function I don't have the energy, I can't be bothered' I'don't have time to exercise Memory sleep an health Reduced sex drive Sleep requirements vary Schedule exercise when you have most energy I'don't have time to exercise Btoke High blood pressure Stress Sleep requirements vary Thick positively: exercise will increase your energy levels. I'don't have time to exercise Now try this Intertility problems Intertility problems Stress I'don't have time to exercise	YOUR IMMORE SYSTEM		we need a	pproximately			and the second	Overcoming family obligations as		
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Now try this No		Infertility problem		uirements vary				Trade babysitting with a friend, neighbour or		
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Now try this Ensure a variety of activities. Set activities.	this						 Get a bike or use home gymnasium equipment 			
(Paul is strated on a daily basis because he has a demonstrate workhard: he only allows himself an average) • Set achievable goals.	Now try this					Ensure a variety of activities.				
reachs a scene with a scene with a scene remain and the scene remains a certain and the scene		demanding workload; he o	nly allows himself an	average			Set achievable goals.			

						Cont
Smoking cessa	ation strategies		Reducing alcol	hol c	onsump	tion
living up smoking is probably the biggest single ste an prove to be challenging, as nicotine is a powerfu	ep we can take to improve our health. However, this ul and addictive substance.		To cut down on alcohol successfully, easy-to-adop		put into practice. ng alcohol consu	mation
Ten self-help tips			Aiming to drink less	at hom		mpuon
Making small lifestyle changes may help when	Advantages and disadvantages		Y break habits and do something different	GU HUAL		26.2
witting smoking:	of acupuncture		at the time of day when drinking occurs. W Have at least two days a week without	Keep track	Drink with food	Only have
. thinking positively	Acupuncture is a treatment derived from ancient Chinese medicine in which fine needles		drinking.	~		your meal
2. making a plan to quit	are inserted at certain sites in the body for		Pace drinking, signing slowly and enjoying		Tips to reduce	
3. dietary changes	therapeutic or preventative purposes.		the taste.		drinking at	
 drinking changes identifying the times when we crave clgarettes 	Stimulates the release of natural painkilling		Space out drinks; have a soft drink/water	Distract	home	
 aentifying the times when we crave cigarettes getting some stop-smoking support 	substances: endorphins		in between.		7 5	
7. getting moving	Effective for some individuals		Have a smaller drink; a single instead of a double.		<	Don't leave the bottle o
 making non-smoking friends 	United scientific evidence to support effectiveness		Choose a drink with less alcohol.	Use a drink measure	Avoid stocking up	the bottle o
keeping the hands and mouth busy	D Costly.			the state of		
D. making a list of reasons to quit.	4					
		11 11	Reducing drinking while out	Self-he	lp groups	
	011		 Meet somewhere that doesn't serve alcohol. 	Drinklin	e is the national alcohol	helpline.
Smoking helplines	Other services		 Set a limit, or opt out of rounds. 		lics Anonymous (AA) is	
Smoking helplines such as the NHS Smoking telpline may be available for free.	Stop-smoking services, such as the NHS Smoking Services may also be available for free. It is		 Budget: take out a fixed amount of money to 		Its 12-step programme i	
leiphile may be available toi free.	worthwhile speaking with a GP to find out the		spend on alcohol.		vith the help of regular s n Family Groups offer so	
	services available.		 Go out later. Sit down – we drink more slowly when sitting 		tanding to the families/fri	
Distante Go to page 46 to revise	Quit kit support packs - these contain free useful				n drinkers.	
Galance the effects of smoking.	tools to help support quitting smoking.					
		- G - D	C/85122	to to page 47 t ne effects of all		
Nicotine replacement therapy	Side effects of NRT			ie enects of the	onol.	
NRT)	Side effects can include skin irritation		Counselling			1000
IRT works by steadily releasing nicotine into the	(patches), irritation of nose, throat or eyes		Consider the second the second stars and the		native treatments	
bloodstream at lower levels than in a cigarette, without the tar, carbon monoxide and other	(nasal spray), disturbed sleep, vivid dreams,		to individuals/groups. Cognitive behavioural therapy (CBT) is one of the most effective	Individuals trying to overcome alcohol problems may choose other treatments to poost chances for success.		
poisonous chemicals present in tobacco smoke,	upset stomach, dizziness or headaches.					
elping to control cravings.	Which form of NRT?		forms. It tackles patterns of thinking / behaviour, to		Meditation)	loaa
	For example:		 It tackies patterns of thinking / benaviour, to break certain emotional / psychological ties to 		meaning	
Skin patches Chewing gum	V heavy smokers may use 24-hour patches					
	V nasa/mouth sprays are the fastest acting		 It addresses the underlying feelings and 		Alternative	Acupuncture
Mouth Forms of NRT Inhalators	form of NRT		thought processes causing addiction.	Exercise	treatments	
	Some find it useful to combine NRT		 It helps find ways to address problems / insecurities, without turning to alcohol. 			
Nasal spray Tablets / strips / lozenges	products.		insecurices, worder turning to accord.		Hypnotherapy Nutriti	onal counsellina
The	NRT usually lasts 8-12 weeks before reduction		There are n	ixed views		
There is no evidence that one type of NRT is more effective. Choice is down to personal preference.	of the dose and eventually stopping.			ctiveness of		
e sono o solo o unan lo personal preference.			alternative	treatments.		
		- 812				
Now try this			Now try this			
Now LL ,						
Quitting smoking and weight gain are often linked. What a			Suggest two strategies / tips you would give a client who	a detailer anna at	and the second	