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93501A



For Supervisor's use only

## TOP SCHOLAR NEW ZEALAND QUALIFICATIONS AUTHORITY

MANA TOHU MĀTAURANGA O AOTEAROA

## **Scholarship 2009 Physical Education**

2.00 pm Tuesday 1 December 2009 Time allowed: Three hours Total marks: 24

## ANSWER BOOKLET

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

Choose any THREE questions from Question Booklet 93501Q to complete.

Each question is worth 8 marks.

Write ALL your answers in this Answer Booklet.

Start each answer on a NEW page. Number each answer carefully.

Check that this booklet has pages 2–18 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

Obesity is defined as an excessive amount of body fat which negatively impacts the ability to lead an healthy lifestyle by the Oxford English Dictionary. In New Zealand, obesity is considered an epidemic, an idea constantly pressed onto us by the media and the government. But are we really experiencing a pandemic or is obesity simply being hyped up the media? According to the Ministry of Heath 26.4% of New Zealanders are obese. These statistics are derived from the Body Mass Index which calculates individual miss and height, the individual data found from a BMI chart puts people into one of four categories: Underweight, Normal Weight, Overweight and Obese (a BMI of more that 30). According to New Zealand BMI statistics I in \$2 adults NEW VERTUIN DIMINION THE 25 MEANS are overweight and one in I are obese. These Statistics appear frightning and the idea that Obesity is an epidemic seems plausable however it is unlikely that every New Zealander was footed at during the participated in the BMI test and many limitations are known such as the fact it doesn't account for mesomorphic body shapes, génetics or muscle mass. The innacuracies are clearly Shown through the All Blacks Richie M'Caw

being	considered obese. The definition
1 1 11	"Obesity negatively affects the ability
	ed an active healthy lifestyle" is
	dicted through one of our most
recogni	ised athletes being considered obese/1 -
The m	edia is a major influence in the idea
	besity is an epidemic, both print and
	nic use the inaccurate statistics gained
	BMI to scare the public into thinking
	is a serious problem. Obesity is portrayed
1 1	ely in the media which can have
	consequences on the self esteem of
	Also The media only shows 21. of the
Worlds	population meaning a limited amount
of boo	ly shapes and sizes are portrayed. Society
	I idea that make the assumption
	being skinny is being healthy por and
if the	manipulation of the media is shown
	the fact that am average New
	d girlaged between 14 and 19 years old
	average, size 12. The media are
	ing that a size 14/16 is obese where
V . /	hore around a size 22. The media
	fect social hovora and make people
	mbarressed and self-conscience about
their &	body weight // -
1	
Ohesitu	causes are very wide-spread - there
	Scholarship Physical Education 93501, 2009
	d airlaged between 14 and 18 wears old

is not one cause but rather a number of Contributing factors. Firstly diet and exercise are main influences of body weight. Eating unhealthy foods with low fibre, low vitamins, high in salts, fats and tropical oils cause the body to turn these foods into trigglycerides and they are stored as fat cells in thiswes. An unhealthy diet is generally influenced by lifestyle - New Zealand has become a lazy society due to technology advances and an i-want-it-now attitude. Approximately 20 hours a week is the average time a 14-18 year old boy spends in front of the television and fast food outlets and quick, unhealthy food has become more common. There are 144 M'Donalds resteraunts in New Zealand alone. Unhealthy bood is easily accessible and cheap making it ideal for low economic areas of society. It is a common thous. that is somerciagons, sometis common theme that in poorer areas, people are physically heavier due to averconsumption fathy foods. The eating of fast-foods simply enhanced by the media who try to portray it as nutritional. M'Donalds uses Sarah Ulmer and Hamish Carter in their adverts and immediately society links their physical body shapes with M'Donalds and feels it is alright for them to eat there. Uneducation about obesity and only learning Question number

morrectly

about it through the media is yet another reason for the obesity statistics we have in New Zealand. Lack of physical exercise is another contributing factor - 50% of children aged 14-17 use transport to get to school rather than Walking, 55% of students are sedentary. Sports and Recreation New Zealand states that at least 30 minutes of exercise a day is required to be healthy and without this, size is increasing. Harry How Zon The lack of physical activity (physical movement that is more than daily everyday activity) in New Zealand and the obesity statistics because of has enjouraged the government implement many actions such as 30 seconds a day compaign and \$2,000,000 for Mission On compaign to encourage people get active. Economically, it is impacting as money is being used to fund physical initiatives. The media also encourages physical activity but their focus is to reduce weight' rather than to become physically healthy! Gym Memberships in 2008 were held by 11% of the country proving that action is taking place and gyms made over \$275 million last year. is positive to see so many people

to get active Economially, it is impacting

inv	olved in physical activity but it is very
105	Hy to join gyms and many people
	anot afford memberships, namely the
	pple who require physical activity.
,	
Oh	esity in New Zealand is also influenced
	ough genetics and lifestyle with some
	ple being born physically larger than
4 P	Lers. A person whose parent is obese
	More than 40% likely to be ober
	nselves and a person with both their
ı	ents being obese are 80% likely to
// /	obese themselves. This maker sense
	cause parents are usually in control of
Who	at their child eats and the lifestyle they are
SUL	ounded by. Obesity is negatively
in	pacting on Society because New Zealanders
	l it is a growing problem, literally. The
ten	n 'epidemic' ensues that it is spreading
181	n'epidemic'ensues that it is spreading
rap,	land is being viewed as unhealthy and lary by
704	land is being viewed to by
Othe	u countries since it was announced in
a	2009 World Health Survey that we
are	"the third fattest country" in Attent
	developed world. Immediately this
Moi	returning on physical activity schemes
an	d charging encouraging the 'epidemic'
ide	a to scare people into change is
	,

 mandatory-in a way
this is a positive impact. It should make
society want to change and even give
them opportunities through Mission On or
Push Play to change but the reason
behind it (fear) is not correct. New
Zealanders should not be a fraid of social
 outract or percieved as latu because their
are nobese shape they should be encouraged
to change their diet and do more exercise
 to reap the physical benefits. Obesity in
 New Zealand is an issue, but the media
 is not allowing an environment where it is
Socially acceptable - people need to change
to help themselves rather than fit in with
society. //
 I personally think that robesity epidemic" is
an inconsiderate way to portray this issue,
it should be seen as an obesity problem
 instead. I accept that there are statistics
to prove we are a growing nation but
 improvements to this issue should be made
Improvements to this issue should be made through education at a younger age and
substantial changes made to lifestyle - less
technology usage, quick meals and particular
focus on getting healthier rather than
 getting thinner. Obesity negatively and
positively impacts New Zealand Society although

Question number

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Question number

number	
(4)	Action Competency model =
<u> </u>	vision borriers enables
	Hinking
	plan action
	aim or -> critical issue thinking
	issue thinking about implement action
	evaluate oction
	Self empowement - individual
	Self empowement - individual  behavioural change - victimising  collective action - community I group
	collective action - community/group
_/	<del></del>
/ <del>/</del> _	

Health Promotion is empowering action either through classrooms, whole schools, individuals and communities to increase knowledge and have a better well-being overall. Health promotion is about connecting with a target audience and in this case-year nine school students. Using the Action Competence Learning Process, it is easy to see whether this Year 13 class covered all of the necessary points of Health Promotion to be successful and have an effect on their Year Nine Students I have to start by making an assumption that the year thirteens chose the year nine students because they were lacking in health and physical activeness, their aim is to improve the activity levels amongst Students and there first must be as target unvario where inst inst be de yarger group to influence. During my Take Action programme I also did year nine students because statistics in my school showed that agoing only 32% of postudents did physical activity and of Health that in "New Zealand 55% of students were sedentary with 70% of active students dropping Sports during the ages of 13-17 years OPARC Statistics) - my target group needed to experience health promotion as I assume these year nine students did also.

	Undertaking a survey of the students was
	highly beneficial to the year thirteens, they
	are able to get their information directly
	from the students they hope to sign up.
	Immediately accurate information is goined
	and the liklihood of success is increased
	through this inquiry. The survey showed that
	most people wanted to play basketball -
	a team sport. Social interaction is a key
	enabler in any physical activity with 70%
	of people in New Zealand saying it is
	their main reason for participating in sport
	according to SPARC NZ. Basketball is a
	game that enables many people to be
	active at once thus encouraging more
	participation. In my own Take-Action
	plan touch night was most popular
	and allowed a team situation again.
	More students find physical participation
_	More students find physical participation easier if their friends are doing it, their peers act as an enabler. Il
	nears act as an emphase !
	- Cas at a a a a a a a a a a a a a a a a a
	Another assumption I am making is that
	their survey included gave them the
	indication of time frame for their basketball
	at which Different skill levels, especially
	between active and sedentary kids will
	be substantial in deducing how long the
	games should be before & substantial

improvements will be made. If most of the
students are athletic then it will take
longer for them their heartrates to be
worked and the games themselves and
overall competition will have to be longer.
In my own Take-Action programme my
Students were sedentary and therefore
doing 30 minutes of exercise (as recommended
by SPARC as the minimum) was effective in
pushing them physically. Another them
Of joining a sports fear is to reap the
physical benefits and the year nine students
will need to be suited to the games length
and overall competition for this to occur.
Doing the competition at lunchtime is
Minimising the barrier of physical activity being time consuming (my main
time being at lunchtime means it is
tipe being at hunchtime means it is
pacify accords to students and they are
easily accessible to students and they are
not having to give up any prior commitments.
Lunchtime Is generally over 30 minutes
which allows the assumption that the
which allows the assumption that the games will be for longer than that and
which allows the assumption that the gomes will be for longer than that and every student will be arailable to attend.
which allows the assumption that the gomes will be for longer than that and every student will be available to attend.  The time I did my programme was
which allows the assumption that the gomes will be for longer than that and every student will be arailable to attend.

especially ground much exam time they have their practise and these became a priority the year thirteens did their a aim to some extent to year nines to impliment Collate the data. believe that some thought barriers and enabless that into the help or hinder the success. Phis would have been successful health promotion. Unfortunately, after that step their programme changed and started to become unlikely be successful according to Competency Model. The students basketba immediately the information they had gained from the students was overrided. are less likely to participate they don't want to - these and immediately Want to do the attitude towards participating have decreased - an assumption I can make after looking at the participation levels.

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Doing netball acted as a barrier because
 for and enjoyment were diminished -
 a prime motivator in getting people
 involved. The change from an indoor
 Venue to an outdoor venue also brought
 about a barrier because the influence
of weather could effect their programme.
The physical activity was still in place
but they would have lost their target
group through this sport change.
In my own programme, my training
touch rugby games were done outside
and one day training had to be cancelled
 becouse of the weather-negatively impacting
 on my health promotion.
Implementing the action, the next step
of the Action Competency Model showed
that 20 students showed up for the
 first game and only 9 for the second -
 first game and only 9 for the second - immediately I have to make the assumption
first game and only 9 for the second - immediately I have to make the assumption
 first game and only 9 for the second - immediately I have to make the assumption that the netball first session was too Competitive and not social enough. Over competitiveness is a common barrier in
first game and only 9 for the second - immediately I have to make the assumption that the netball first session was too Competitive and not social enough. Over competitiveness is a common barrier in physical education activity and losing the
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first game and only 9 for the second - immediately I have to make the assumption that the netball first session was too competitive and not social enough. Over competitiveness is a common barrier in physical extraction activity and losing the enables of fin and enjoyment was

games and these would have
been contributing factors in why participation
levels did not stay high. Cancelling the
programme was a bad decision in my
opinion because even minimal change is
helpful to health promotion. Of the nine
that turned up on the second game, 2
of them could have been sedentary and
interested in becoming more physically
active - the cancellation prevented this.
In my own Take-Action programme,
I measured my success on how many
Sedentary kids continued their physical
activity - it proved I had charged their
attitude towards being active for the better.
Out of the 12 students I take had in
the touch games - 4 joined social
Saturday morning soccer teams and 2
trialled for junior touch teams. I only
Changed 50% of my students BVT health
changed 50% of my students BVI health promotion was achieved through my
programme. Health promotion has to want
to be learnt by the students to be successful,
proved in my programme and I think the year thirteens made a huge mistake in disregarding their nine loyal students. //
year thirteens made a huge mistake in
disregarding their nine loyal students. //
Overall, critically evaluating their programme. The last step in the Take Action
the last step in the Take Action

Competency Model should have uncovered	
that they had the opportunity to be	
successful in teaching health promotion.	
This steered but they brought in too	_
many parriers and were too focused	_
on a community based model where	_
EVERYONE is encouraged to change.	_
Overall this Scenario is not a good	_
example of health promotion-they did	_
not alter the physical lifertyle of any of	1
their year nine students or teach them	_
about well being through exercise. This	_
Scenario did however, have the potential	7
to be a good example as seen through	_
completing the first few stages of the	_
Action Competency Model. Even with the	
sports change to Netball and the decrease	_
in participation they could have focused or	フ
the 9 year nine students and promoted	_
The 'y' year nine 'snown's and promise a	<del>.</del> –
health to them. I would consider this	_
the 9 year nine students and promoted  the 4 year nine strains una promoted  health to them. I would consider this  stenario a missed opportunity.	F

Question number	
	Aquathon training
	/
	P.O.T/Methods - resistance
	- frequency - law of diminishing returns
	- filgvency — law of diminishing returns - intensity — specificity — type — variety — time
	-time
	-pre tests -post tests
	-environment
	- lifertyle
	-society
(3)	- asian children-gymnasts
	-naturally more flexible - females
	-naturally more flexible - females  different sports need different
	body shape/type
	-meso -ecto
	different stages - en do
	Skill learning GOLE some better
	Skill learning OCL- than others - prior experience
	Video analysis
	foodback/int/ext
	<del></del>

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Supervisor must print name & sign here:

Physical Activity Programmes are designed to tryp and make improvements to physical performance, it is the aftermath of this performance which indicates how effective the programme was and where alterations need to be made.

The purpose of my spirity among evaluation after completing my aquathon was for me, to individually work out why I had not achieved my goal of running the aquathon in under Uninutes and 25 seconds but rather had completed it in 43 minutes. The evaluation caused me to look at the effectiveness of my programme and understand where improvements could have been made to engine my goal was achieved. In my aquathon thanking programme

Performance Improvement is encouraged by a vertormance improvement is encouraged by a variety of factors, no matter what level of shill you are, improvement can always be made, and should always be strived for. There is not clear distinction between that are made—that are born and athletes that are made—both factors can contribute to the success of an athlete.

Supervisor must print name & sign here: SARAN JANSEN farafunden

It is fair to state that although a person may be
helped by their genetics, they are certainly not
born with the skills they require for top level
performance. Skills a complex systems which have
to be learnt - they are not provided for us. In
my own physical activity of Golf, I had to
learn four different shots - pitch, put, chip and
drive, none of the skills were given to me
naturally, I had to spend a long time fearning
them before I got them to the stage where I
was producing accurate shots. Practise makes
perfect - genes do not. I

It is a definite fact that particular body shapes and types - genetically achieved (such as height and hone density, physical shape through metabolism) assist with certain sports. In communist (hina, coaches are seeking out athletes in villages by targeting very slim and short athletes—their sargeting very slim and short athletes—their genetic appearence is why they are first contracted into gymnastis—a sport requiring flexibility, stamma, agility. Gymnastis prefer to have short underdeveloped athletes (lack of puberty because of constant fraining) because they are most successful in this particular sport, they are most successful in this particular sport, they are however not capable of being good gymnasts without practising and developing. Skills taught to them by their coaches. They may be able to learn a skill easier (the splits) that

Supervisor must print name & sign here: Sapan Janson Janson Janston because they have more flexible joints but they cannot do it correctly or with the right technique until they are instructed how to - the splits is not a natiral movement and therefore it does not come naturally. In golf-a specific body shape is not particularly more advantage than anotherwith golf it is about understanding the techniques such as having a low centre of gravity or great range in the back swing to build up force summation - none of this is genetically inherited. An understanding of the skill and Tearning them in first a closed environment and then an open environment is what aided me in improving my golf performance, the repetition of skills and the correct technique taught to me by an expert enabled my drive to go further and land more accurately on the fairway. In my training programme it was internal and external feedback that combined to help me improve performance. that combined to help me improve performance. Kinisthetic feedback such as my arm muscles feeling Strained across my right arm in my backswing indicated to me that I was holding the club correctly with my asmiffexion allowing me more force when & swinging down. Kinisthetiz feedback was able to be recognised after I had done the skill repetitively and knew the difference between correct and incorrect through external feedback-Where the ball landed on the green or the POP'

Supervisor must print name & sign here: noise made when contacted with the ball. / could physically see my improvements through my shots and it was the coaching of an expert and the feedback within my environment that me encouraged improvement rather than my genetics.// Another way that performance improvement Was seem is lead to in my training program was video-analysis of my golf swings on Silicone Coach. Technological advances such as video-analysis are being used by top athletes-they need to see what they are doing wrong in order to improve it. Videoanalysis of my swing compared me to a professional golfer and the difference was immediately different. She was able to produce her backswing almost a on almost a parallel to the ground and had a lower parallel to the ground and had a lower Centre of gravity - in direct comparison I could See that I was too for away from the ball and weak in my backswing. The professional golfer was of similar height to me and did not look particularly more muscular than an athlete would be - her mesomprepric was not Unobtainable if worked on. Her genetics were not dissimilar to mine physically but

The hours of practise, level of skill most

This extra answer page MUST he placed inside the plastic had with your answer hooklet and handed in

Supervisor must print name & sign here: SARAN JANSEN JANAFWSEN likely in the autonomous phase was very different. In golf-she was much more advanced and experienced than I was hence Why her golf skill for outweighed mine! I strongly believe it is the environment you are in and physical capabilities rather than genetics that leads to inprovement. This is proved by Mary, a girl in my class whom had never played golf before exactly the same as me. We both started in the cognitive stage of skill learning but because of her background in hockey, she picked up the skills of the swing alof faster as it is not too dissimilar. She quickly moved into the associative stage because her skill level was better in less practises than mine thereexperience encerepabled her to improve performance faster! I feel that the bad the genetics being better idea is again contradicted in Mestling. This sport requires alot of muscle mass to create strength and muscular power to beat the opponent. These muscular body shapes are not achieved through genetics but through hard physical work In the gym to the doing resistance and weight training. Any person can become

This extra answer page MLIST he placed inside the plastic bag with your answer booklet and handed in

Supervisor must print name & sign here:

Mesomorphic through excessive exercise and a controlled diet which would help to improve their performance in a strength sequired sport such as westling. H

I agree that there are some exceptions to
genetics not being beneficial because in
sprinting and running track events there is
a consistent pattern showing Africans and
African-Americans being physically faster.
Although this pattern appears to highlight
that genetics is assisting them, this is an
assumption. It is completely plausible that
they simply train more trequently more
intensely or have more experienced coaches
helping them improve their performance over
other athletes. |-

Genetic advantages are only useful in a very venetic advantages are only useful in a very small amount of physical sports and although they may assist with natural ability it is hard work and the use of information such as nutritionists, bio mechanics experts physio's and coaches that provide expertese in each of their fields to combine to produce better athletes. Each field needs to be controlled for improvement to be made-it is the physical work put in rather than the genetics that enable a peron

This extra answer page MLIST he placed inside the plastic had with your answer booklet and handed in