

THE RIVERS SECONDARY COLLEGE

Assessment Task Notification

RICHMOND RIVER HIGH CAMPUS

The heart of secondary education for Lismore

Task Number	1	Task Name	Core 2 – Case Study
Course	Preliminary Course	Faculty	PDHPE
Teacher	Mr Eakin	Head Teacher	Mr Eakin
lssue date	Term 1, Week 5, 2024	Due date	Term 1, Week 8 Friday 22nd March 2024 to PDHPE staffroom or in google classroom by 9:00am
Focus (Topic)	Core 2 – Body in Motion	Task Weighting	35%

Outcomes

P7 explains how body systems influence the way the body moves

P8 describes the components of physical fitness and explains how they are monitored

P10 plans for participation in physical activity to satisfy a range of individual needs

P11 assesses and monitors physical fitness levels and physical activity patterns

P16 uses a range of sources to draw conclusions about health and physical activity concepts

P17 analyses factors influencing movement and patterns of participation

tudents learn about:	Students learn to:	
 health-related components of physical fitness cardiorespiratory endurance muscular strength muscular endurance flexibility body composition 	 analyse the relationship between physical fitness and movement efficiency. Students should consider the question 'to what degree is fitness a predictor of performance?' 	
 skill-related components of physical fitness power speed agility coordination balance reaction time 	 measure and analyse a range of both health-related and skill- related components of physical fitness 	
aerobic and anaerobic training o FITT principle	 think critically about the purpose and benefits of testing physical fitness design an aerobic training session based on the FITT principle 	
 immediate physiological responses to training heart rate ventilation rate stroke volume cardiac output lactate levels 	• compare the relative importance of aerobic and anaerobic training for different sports, eg gymnastics versus soccer	

Task description:

Amber is a Year 10 student at a local high school. She has been in her school's touch football side since Year 8. She is not as active however, as she was in Year 9. She is now spending more time working at a local surf shop and with her boyfriend. Over the last month she has completed a few short sprint training sessions and had 1 long run. This is the only form of physical activity she has undertaken in the past 9 months, other than PE classes, sport and walking to and from school. Recently she missed out on selection in this year's school touch team. She is disappointed because her closest friends were successful. She believes she missed out due to her beep test results during the trials in which she scored 6.3.

Answer the following exam style questions based on the above scenario:

- 1. Describe THREE of the most important components of fitness for Amber's sport of choice, including a test which can be used to measure each component. (5 marks)
- 2. Justify the use of health related fitness tests, such as the beep test in team selection trials. (5 marks)
- **3. Explain** how the FITT principle can be used by Amber's personal trainer to plan an aerobic training program for her to improve future cardiovascular endurance test results. **(8 marks)**
- 4. Analyse the immediate physiological responses to training that Amber will experience during her aerobic training sessions. (8 marks)
- 5. Critically evaluate the question: To what degree is fitness a predictor of performance? (10 marks)

Resources/References Suggestions Class notes Text book Application and Inquiry

Starting Ideas

Research all your material first

- Ensure that you know what the verb is asking you to do
- Always refer to the syllabus dot points and dash points to ensure that you are answering the question in the light of syllabus requirements
- Remember to use linking words
- You should be aiming to use approximately/minimum 1½ pages for a 10 mark question, 1 page for an 8 mark question and ½ a page for a 5 mark question
- Always refer to the rubric

Assessment Criteria / Rubric

Students will be assessed according to their ability to:

- Accurately identify relevant syllabus dot points relating to the question
- Construct a response that demonstrates an analysis of the question
- Use relevant syllabus terminology in their response
- Use relevant examples to highlight their response
- Present their response in a clear and logical manner

Marking Criteria

QUESTION 1:

Describe THREE of the most important components of fitness for Amber's sport of choice, including a test which can be used to measure each component.

	Criteria	Marks
	s extensive characteristics and features of three of the most important ents of fitness for touch and a test to measure each	5
• Uses rel	evant examples to illustrate answer	
• Presents	s ideas in a clear and logical way	
to meas	s characteristics and features of three components of fitness for touch and a test ure each amples to illustrate answer	4
• Presents	s ideas in a clear and logical way	
• Outlines measure e	s three of the most important components of fitness for touch and a test to each OR	3
• Provides each OR	s characteristics and features of three components of fitness and a test to measure	
 Provides measure 	s characteristics and features of two components of fitness for touch and a test to each	
tests OR	es basic aspects of fitness components and	2
 Identifie 	es basic relevant information about components of fitness and tests	
● Identifie	es limited fitness components OR fitness test information	0-1
escribe:	Provide characteristics and features	
utline:	Sketch in general terms; indicate the main features of	

Identify: Recognises and names

QUESTION 2:

Justify the use of health related fitness tests, such as the beep test in team selection trials

Criteria	Marks
 Argues for and/or against the use of health-related tests to select teams at trials 	5
•Supports the answer with relevant examples	
 Presents ideas in a clear and logical way 	
 Discusses health-related tests and refers to their use in selecting teams at trials 	4
 Uses relevant examples to illustrate answer 	
 Presents ideas in a clear and logical way 	
 Lists health-related tests and refers to their use in selecting athletes 	3
 Uses examples to illustrate answer 	
• Lists characteristics of certain sports and refers to appropriate health-related tests OR	2
•Discusses health-related tests	
 Lists limited information about fitness tests OR selection trials 	0-1

Justify:Support an argument or conclusionDiscuss:Identify issues and provide points for and / or againstDescribe:Provide characteristics and featuresOutline:Sketch in general terms; indicate the main features of

Preliminary PDHPE Course, Task 1 - Body in Motion

QUESTION 3:

Explain how the FITT principle can be used by Amber's personal trainer to plan her an aerobic training program and improve future cardiovascular endurance test results.

Criteria	Marks
 Identifies, through cause and effect, how the FITT principle can be used to improve cardiovascular endurance 	8
 Uses relevant examples to illustrate answer 	
 Presents ideas in a clear and logical way 	
 Describes how the FITT principle can be used in aerobic training programs to improve cardiovascular endurance 	6 - 7
 Uses relevant examples to illustrate answer 	
 Describes the FITT principle, making some links to an aerobic training program 	4 - 5
 Uses relevant examples to illustrate answer 	
●Outlines the FITT principle	2 - 3
OR	
 Identifies some relevant information about the FITT principle and training 	
 Identifies limited information about the FITT principle OR aerobic training 	0 - 1

Explain:	Relate cause and effect; make the relationships between things evident; provide why and / or how
Identify:	Recognise and name
Describe:	Provide characteristics and features
Outline:	Sketch in general terms; indicate the main features of

QUESTION 4:

Analyse the immediate physiological responses to training that Amber will experience during her aerobic training sessions

Criteria	Marks
• Demonstrates an extensive understanding of immediate physiological responses to training	8
 Analyses an extensive range of physiological responses resulting from participation in an aerobic training session 	
 Presents ideas in a clear and logical way 	
 Uses relevant examples to illustrate answer 	
• Demonstrates a thorough understanding of immediate physiological responses to training	6 - 7
• Discusses a range of physiological responses resulting from participation in an aerobic training session	
 Identifies and explains the immediate physiological responses that occur as a result of aerobic training 	4 - 5
Basic description of responses	2 - 3
Lists immediate physiological responses OR	0 - 1
• Provides a limited description of some changes that occur during an aerobic training session	

Analyse:	Identify components and the relationship between them; draw out and relate implications
Discuss:	Identify issues and provide points for and/ or against
Identify:	Recognise and name

QUESTION 5:

Critically evaluate the question: To what degree is fitness a predictor of performance? (10 marks)

Criteria		Marks
-	tors that influence an individual's health and skill related fitness and to which fitness is a predictor of performance. Uses a wide range of	9 - 10
-	n individual's health and skill related fitness.	
	influence an individual's health and skill related fitness and examines the	7 - 8
-	ess is a predictor of performance. Uses a range of sources to improve an ad skill related fitness.	
	t influence an individual's health and skill related fitness and discusses the	5 - 6
•	ess is a predictor of performance. Uses some sources to improve an ad skill related fitness.	
	influence an individual's health and skill related fitness and identifies that	3-4
fitness is a predictor skill related fitness.	of performance. Provides a program to improve an individual's health and	
Discusses health and and skill related fitne	skill related fitness. Provides a program to improve an individual's health ss.	1 - 2
halveet Identif	components and the relationship between them, draw out and relate imp	lications
Evaluate: Make a	y components and the relationship between them; draw out and relate imp n overall judgement on the overall effectiveness of their use to achieve the ent to which all areas play a role in relation to each other.	
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