GCSE Physical Education – Fitness Testing

Muscular Strength

Test: Hand Grip Dynamometer Test



Protocol: Grip the dynamometer in one hand. Start with your hand up and bring down to side while pulling in handle. No swinging your hand.

Advantages	Disadvantages		
Simple and easy to complete	 Only one size of dynamometer which may affect reading. Focuses solely on forearm strength. 		
Muscular Endurance Test: 1 minute sit up test Test: 1 minute press up test Protocol: Complete as many full sit ups/press ups as possible in 1 minute.			
	Discharterer		

Advantages	Disadvantages
Simple test to completeMinimal equipment needed.	 Difficult to assess whether each repetition is performed correctly. Difficult to accurately measure large groups.

Flexibility

Test: Sit and Reach Test

Protocol: Sit with legs straight out in front and soles of feet against box/table. Reach forward without bending knees. No jerking movements

Reactified ward without b	lenuing knees	S. NO JEIKI	ing into	vement	з.	
	Advantages		Disadvantages			
	 Quick and easy to perform. Data table readily available for comparison 		 Can cause injury if not fully warmed up appropriately. Only measures flexibility of lower back and hamstrings. 			
Cardiovascular Fitness (Aerobic Endurance)						
Test: 12 min Cooper Run Protocol: Continuously run/swim for 12 minutes. Distance recorded.		Advantages			Disadvantages	
		Minimal equipment		nent	 Inaccuracy of heart 	
		needed Test can be self administered. 			rate measurements Motivation dependant 	
Test: Harvard Step Test						
Protocol: Step continuously for 5 minutes. Advantages Disadvantages						
Measure heart rate at 1, 2 and 3 minutes	121	21		ple test to	C	Motivation

complete

dependant

Agility

Test: Illinois Agility Test

Protocol: Start lying down at the start line. Complete course as quick as possible (10m x 5m - 4 central cones)



Advantages	Disadvantages		
Simple and easy to complete	• Motivation dependant / Timing errors.		

Speed

Test: 30m Sprint Test

Protocol: Start from stationery position. Complete distance in the quickest possible time. Time is stopped when chest crosses the line.



Advantages	Disadvantages
 Quick test to complete. Minimal equipment needed and can be performed anywhere with a flat 50m run. 	 Running surfaces/weather conditions can affect the results. Inaccuracies with stopwatch usage.

Power

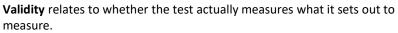
Test: Vertical jump Test

Protocol: Stand next to wall and mark an initial reach while feet are flat on the ground. Standing jump to reach as high as possible. Measure distance from first mark to second.



Advantages	Disadvantages
 Quick and easy to perform. Easy to complete with large groups.	 Technique plays are large role in successful completion.

Reliability /Validity



Reliability is a question of whether the test is accurate. It is important to ensure that the procedure is correctly maintained for ALL individuals.

<u>Results can be improved:</u>

- By using experienced testers & calibrating equipment
- Ensuring performers have the same level of motivation to complete each test
- Repeatedly test to avoid human error (x3)



GCSE Physical Education – Fitness Testing		
Term	Definition/notes/concept	
Keywords:		

@PEResourcesbank

-у