





Testing aerobic endurance

Activity 2

The 12 minute Cooper run test

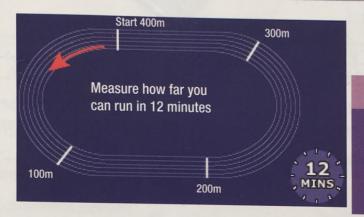
Which component of fitness is measured using this test?

AERUBIC ENDURANCE

How could you adapt this test if you do not have a 400m track?

(3) (3)

- MAKE ON TREADMILL



FAST FACT:

Aerobic endurance is how the body continuously moves oxygen to the working muscles for long periods of time.

This test is very simple and does not require a lot of equipment: 400m track/measured area - cones - stopwatch



You will do this test in your physical education lesson. Write your results in the table below.

Number of laps	Distance

The table below shows normative data values. Circle the category that matches your results.

Cooper test data

Rating %	Distance (metres)
95	2250
75	1920
50	1700
25	1480
5	<1200

15

Testing flexibility

Activity

Flexibility of the hamstring muscle is measured using this test. Which other muscles are used during the test?

BACK MUSCLE

(TRAPEZIUS)

Use the diagram to provide some key coaching points for this test.

You will do this test in your physical education lesson. In groups, you will use the equipment to set up the test and measure and record each other's scores.

Equipment needed: sit and reach box or step/box and ruler



Write your results in the table below.

Attempt	Distance - cm
1	
2	
3	TWO prosent nois
Average score	

How do you rate?

Rating %	Distance - cm
95	+21 to +30
75	+11 to +20
50	+1 to +10
25	-7 to 0
5	-15 to -8

Activity

In the table below, give two advantages and disadvantages of the tests we did in today's lesson. Think about their practicality, validity and reliability.

Test	Advantage	Disadvantage
Cooper run	EASY TO 00	AFTECTED BY MUTIVATED
	CARGE GROUPS CAN BE	PRACTICE REQUIRED
Sit and reach test	EASY TO DO	NOT RELEVANT FOR
reach test	QVICK TO PERFORM	VARIATIONS IN ARMIGE

LENGTH.

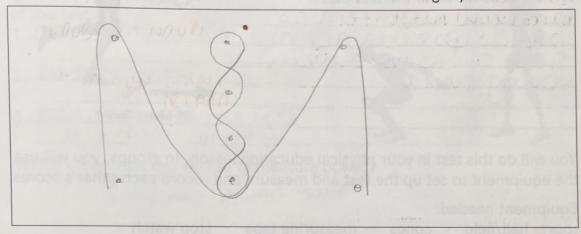
Testing agility





The Illinois agility test

In the box below, draw and label the route of the Illinois agility test.



This test is very simple to do and does not need much equipment. In groups, you are to use the equipment provided and the diagram to set up this test.

Equipment needed:

flat non-slip surface - 8 cones - stopwatch

FAST FACT

Agility is the ability to change direction at high speed.



Write your results in the table below and calculate an average score.

Attempt	Time (secs)
(shorted oxelf 1	
2	
3	Name and the second sec
Average score	

How do you rate? Circle the category that matches your results.

Rating %	12-14 years	14-16 years	16-19 years
90	<16	<14.5	<14.2
70	17-17.5	15.5-16.5	14.2-15.1
50	18	17	15.2-17.1
30	18.5-19	17.5-18	17.2-18.3
10	>20	>19	>18.3

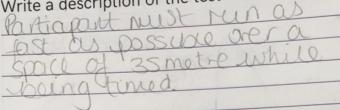


Measuring Speed



35 metre sprint test

Write a description of the test here.





35 Metre Sprint

You will do this test in your physical education lesson. In groups, you will use the equipment to set up the test and measure and record each other's scores.

Equipment needed:

sports hall/field - cones - measuring tape - stop watch



Write your results in the table below.

Attempt	Time (secs)
1	
2	
3	
Average score	1946 18 0150

How do you rate? Circle your category that matches your results.

Rating %	14-19 years
90	<5.30
75	5.30-5.59
50	5.60-5.89
25	5.90-6.20
5	>6.20



Time (seconds)

In the table, write two advantages and disadvantages of the tests we performed in today's lesson. Think about their practicality, validity

I EFFECT
N EFFECT
NEST.
11/11/11

Measuring Power



Vertical jump test

List three key coaching points of this test.

1. USE ARMS TO ALL MUVEMENT

2. BEND AT KNEES

3. PUSH DOWNWARDS, USE LESS TO EXPLODE VIWARDS



Which other tests can we use to measure power?

STANDING BROAD JUMP

You will do this test in your physical education lesson. In groups, you will use the equipment to set up the test and measure and record each other's scores.

Equipment needed: wall - marker/tape - measuring tape or ruler



Write your results in the table below.

Attempt	Height (cm)
1	
2	
3	
Average score	

How do you rate? Circle the category that matches your results.

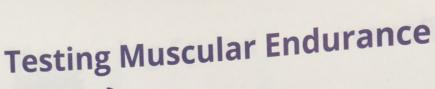
Rating %	14-16 years
90	>60
75	51-60
50	41-50
25	35-40
5	<35



DID YOU KNOW?

Zahra Lari, is the first ever Emirati figure skater. She uses speed and agility to complete her routines on the ice. Which other components of fitness are important to Zahra?





Unit Fitness !





Press-up test

Write a description of the test here.

participant must perform as many press up as possible until failure





You will do this test in your physical education lesson. In groups, you will use the equipment to set up the test and measure and record each other's scores.

Equipment needed: non-slip surface

Write your results in the table below.

Attempt	Number of push-ups		
1			

FAST FACT:

Muscular endurance is the ability of a muscle or group of muscles to repeatedly exert force against resistance.

The following table provides normative data for press-ups for males. How do you rate? Circle your category that matches your results.

Rating %	14			
	14 years	15 years	16 years	17 voors
90	22	23		17 years
70	15	23	26	28
	15	17	18	19
50	11	15	10	17
30	4	10	15	16
	0	9	10	10
10	3	1	10	12
		4	4	5

Measuring Body Mass Index

Body Mass Index (BMI) is a different way of finding out body weight. It tries to quantify how much tissue mass a person has. This helps to decide whether that person is underweight, normal weight, overweight or obese.

To find out your BMI, divide your weight in kilograms by your height in metres squared.

BMI = weight in kg ÷ height in metres²

Under weight	Normal weight	Over weight	Obese (Class I)	Obese (Class II)	Obese (Class III)
1	2	2	2	2	1
1	1				
. V.		517		1,7	4,7
11	11	88	18		17
<18.5	18.5 – 24.9	25.0 – 29.9	30.0 - 34.9	35.0 - 39.9	>40.0

Activity

What is y	vour	BMI?	You	can	IISA :	2	calculator.
VVIIGLIS	your	DIVII:	100	Call	use	a	calculator.

weight = height =

BMI = I fall into this category:

Activity

In the table below, provide two advantages and disadvantages of the tests we performed in today's lesson. Think about their practicality, validity and reliability.

Test	Advantage	Disadvantage
Vertical	EASY TO ADMINISTER	ONLY MEASURE POWER IN
jump test	QUICK TO DO	EFFECTED BY FOOTWEAR
Push-up	EASY TO ADMINISTE	IN UPPER BODY
test	LIME EQUIPMENT	EFFECTED BY MITIVATION.





Do you believe BMI is a good measure of how fit or healthy an individual is? Can you think of any other ways to measure body composition which would be more accurate?

NO BECAUSE IT DOESN'T MEASURE FITNESS

Body Callipels

National Service fitness



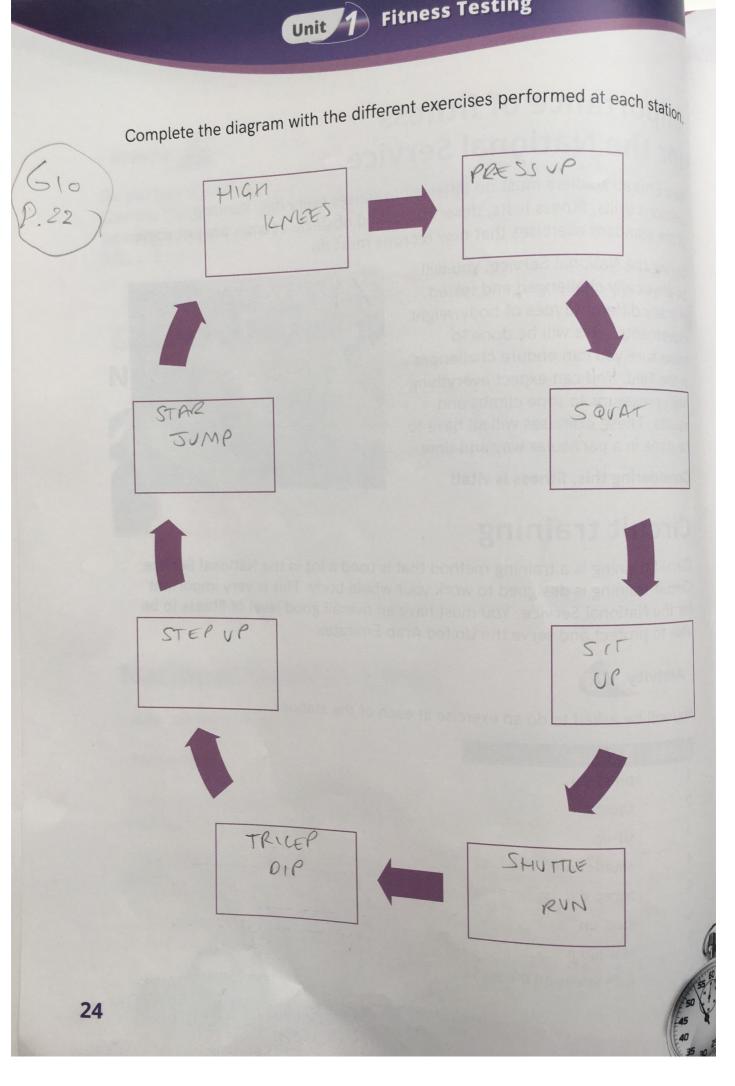
A high level of physical fitness is very important for the National Service recruits. Recruits must be ready and prepared properly for military training. All Emirati nationals must complete a period of National Service.

National Service criteria

- Aged between 18 and 30
- Medically fit
- A minimum physical fitness level (as determined by National Service requirements)
- Approved by the UAE National and Reserve Service Committee (NRSC) to serve.

As a female, your period of service will be one year.

This shows how important Physical Education is for young Emirati women.



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Assessing risk in sport and physical activity

Hazards are anything that can cause us harm in our everyday lives. Hazards are anything that can educe to the location and nature of Hazards can be different and this will depend on the location and nature of the activity.



What hazards are there in a sports hall? Write your answers in the box below.

FLOOR

EQUIPMENT ON FLOOR

Dr ABC

DR ABC is something we use if somebody ever becomes unconscious whilst playing sport. **Being unconscious can happen for different reasons:**

- head injury: being hit in the head by equipment or player
- fainting: due to over heating or dehydration
- cardiac arrest (heart attack):
 if blood supply is reduced to our heart muscles, the heart can stop working

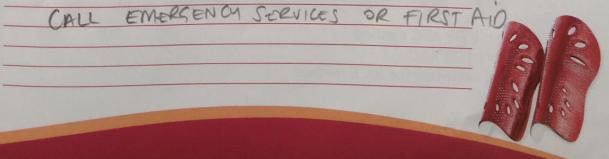


All the above can be very serious and we must know how to respond if this happens. That is where DR ABC is important.

DANGER	Check there is no further danger - stop play straight away.
RESPONSE	Check for a response - shout their name, tap them lightly on the face.
AIRWAY	Tilt the head backwards by placing one hand on their forehead and supporting the chin with your other hand. This should cause the mouth to open so you can check for any objects that could be blocking the airway.
BREATHING	Lean down and place your cheek by their mouth to feel breath on your face. Look down their body to see if you can see their chest rising and falling.
CIRCULATION	Check for a pulse using two fingers on their neck or wrist.



When you have followed these rules, what do you think you should do next?







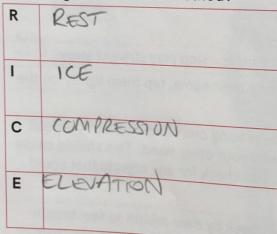
Amna al Haddad was the first Emirati female to compete in the Reebok Crossfit Games, Crossfit is a high intensity sport which tests an athlete's anaerobic and aerobic capabilities. What risks do you think an athlete may face when competing in Crossifin

Soft tissue injuries

If you get a soft tissue injury, like pulling a muscle or twisting your ankle, it is important to follow a method to treat the injury. This method is called the RICE method. This method should be used as soon as possible after the injury happens.



Complete the table below to describe each stage of the RICE method?





Student check-list

I have achieved the following objectives:

- explained the importance of risk assessments
- used the appropriate rating system for risks and hazards - carried out an in-depth risk assessment in a PE Lesson
- described the DR ABC method
- demonstrated DR ABC
- defined and explained the RICE method