

Unit 2: Kow can an appropriate warm up and cool down prevent injury



## Physical Benefits of a warm up

1. Warms up your muscles 2. Increases body temperature 3. Increase in heart 4. Increase in Plexibility of muscle and joint 5. Increase in pliability of ligaments and tendons 6. Increase in blood flow and oxygen to muscles 7. Increase in speed of muscle contraction

# Components of a Warm Up

Pulse Raising

Mobility

Dynamic Movements

Stretching

Skill Rehearsal

Exercises that slowly increase the heart rate and body temperature

Exercises that take the joint to their Pull range of motion (ROM)

Changes of speed and direction

Dynamic stretching linked to the sport

#### Rehearsing common movement patterns





### Psychological Benefits of a warm up

Controls your arousal levels so you get into the zone or it settles your nerves

Improves your concentration and focus

Increases a persons motivation

Allows you to perform mental rehearsal so you can picture the image and develop positive feelings



1. Pulse lowering   Kercise that gradually lower heart rate & body temperature	Physical Benefits of a Cool Down Continued REDUCES THE RISK OF RECENTERING STREETCHINGS RECOVERY BY STREETCHINGS RUSS
2. Stretching Maintenance stretching and static stretching	<image/>
Question - Without turning back to the Pront page can you list the 7 benefits of a warm up	Question - Without turning back to the Pront page Can you list the 5 Components of the Warm Up?
Answer	Answer

### Specific needs of Warming Up and Cooling Down

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## 1. Characteristics of group or individual

#### \*Size of the group

\*Age of the participants

\*Experience of the participants

\*Fitness levels of the individuals

\*Any medical conditions the participants may have

2. Environmental Factors



What available space do you have?

3. Suitable preparation for your sport or activity

This means that you prepare specifically Por your sport.

1. If you are playing rugby and taking contact then you should take contact in the warm up

2. If you are a 100m sprinter then you should be doing sprint starts in your warm Up

3. If you are a goal shooter in netball, then you should be shooting in the warm up

