

Component 1- Preparing Participants to Take Part in Sport and Physical Activity



Types of Activities

Sport is an organised competitive physical activity bound by a set of rules and regulations and overseen by a National Governing Body (NGB).







- Team sport performed with team mates
- Individual sport performed solo against others. Often judged by officials.

Physical Activity is any bodily movement produced by skeletal

muscles that requires energy expenditure.

walking etc.

Examples: Zumba, Yoga, Circuit training, box





enefits of taking part in Physical

Benefits of taking part

improved skill development &

· self confidence from taking part in

Meet new people

Meet new people

improved fitness

competition.

Resilence

tactical awareness.

- Set fitness goals
- Improve confidence
- · Improve body composition
- · Improve physical and mental

Outdoor activity refers to recreation engaged with in the natural environment and commonly involves adventure and elements of risk

Examples: Paddle boarding, rock climbing, Canoeing, sailing, hiking etc.

enefits of taking part in Outdoor

- Improved confidence/self-esteem
- Meet new people
- Improve teamwork
- Learn new skills
- Reduce stress
- Spend time away from electronic devices

Learning aim A: Task 1

Types of provision

Public sector provides 'sport for all' in local facilities such as leisure centres and schools.

The provision is provided by government and local authorities using money frm taxes to meet the aim 'sport for all'.



xamples: Clacton leisure centre, skate park, Colchester leisure centre, swimming pools etc

Private sector provides sport through individuals or companies who ivest their own money to offer business considering the demands of the community while they make a profit.

Examples: Anytime fitness, jump street, CLip and climb, Clacton Golf Club. etc

Voluntary sector: This relies on local volunteers to offer sport and physical activities, the facilities are often hired from local authorities e.g. playing fields.

Examples: Sunday league football teams, Clacton Cannons Basketball, Clacton Rugby club etc

AIms & Funding of each provision

Alm: Provide sports facilities at a low cost to encourage/increase participation.

Alm: Make a profit (money!) while meeting

Funding: Taxes & National lottery

the demands of the current sport

Funding: Investors (business people)

Vim: Empower local people to come

Funding: Fund raising, sponsorship and

together and be more active.

participation trends.

Advantages & Disadvantages of each provision

- Cost is kept down/Booking made easy
- Location of facilities is accessible.
- Additional services including creche and refreshments are common.

- Bespoke and cutting edge technology or classes are not usually available.
- Quality of provision can vary.

- Bespoke equipment and a range of classes available.
- Additional services compliment the offering i.e. sports therapist services often on-site.

Costly for membership Facilities are fewer.

- Allows for a wide range of opportunities in local areas.
- Under represented groups can be catered for.
- Promotes physical and mental well-being.

- Level of expertise is often low.
- High turnover of classes/clubs starting and closing due to a lack of volunteers.
- Lack funding.

Children: 5-11 years old

60 minutes of moderate or vigorous activity per day

Types and needs of Participants

Activities should be fun and engaging, learning to master basic skills.

Adolescents: 12-17 years old

- 120-180 minutes of moderate to vigorous intensity per week.
- · Activities should be more competitive or new trendy sports to increase participation and stop the drop out.

Children & young people with a disability: 120-180 minutes moderate or vigorous activity per week

Adults: 18-49years old

- Both should do: 150 minutes of moderate or 75 minutes of vigorous exercise per week.
- This will help reduce chance of heart attack and stroke.
- Older adult should also do some balance and strengthening exercises to reduce the chance of them

Adults with a disability: 150 minutes of moderate to vigorous exercise per week with no less than 10 minutes for each session.

members subs

- · Visual this may be partially sighted or totally blind.
- Hearing this refers to impaired or fully deaf
- Physical this can injury spinal cord injuries. paraplegia (loss of function to legs), tetraplegia (loss of legs and arms) and cerebral palsy.

ong term medical conditions:

- Asthma
- Type 2 diabetes
- High blood pressure
- Coronary Heart Disease (CHD)

Older Adults: 50+years old

- - falling and getting Osteoporosis.

Curiosity Compassion Courage



Component 1 – How can we prepare participants to take part in sport and physical activity?



Cost: The amount of disposable money a person has can be a barrier to participation.

Activities that have a lot of equipment or specialist equipment can make it very expensive and membership fees.

Transport can be costley as well, does the activity mean you have to travel lots? Petrol and train tickets are expensive.

Examples expensive sports:

Skiing, cricket, golf, horseriding

Examples of affordable sports: Football, Basketball, Netball

Possible Solutions:

- Discounted sessions
- Over 50's or student discounts
- Free parking at facilities
- Hire equipment
- Shuttle buses

Accessibility: For people to participate in sport and physical activity, facilities, sessions and resources need to be available in the area.





If activities are too far away then it is unlikely that you take part in them, especially if you do not have a car.

Disabilities may cause some issues with accessibility, if a swimming pool does not have a chair hoist then they would not be able to access the pool.

Examples; if you do not live near a swimming pool then you are less likely to either learn to swim or get involved in swimming.

If there are no climbing walls in your area, again you are less likely to participate in climbing.

Possible Solutions:

- Taster days
- Better staff training to support individual needs
- Increased range of sports
- Ramps
- Assistive technology pool hoist, braille and hearing loops.

Barriers to participation

Time: lack of time due to other commitments

Long working hours, family commitments, school and a lack of free time affect participation in sport.

Example; working 9-5pm, 5 days a week and also having child will reduce the amount of time you have to attend a sports club or exercise class.

Methods to address barriers to participation

Possible Solutions:

- Extended opening hours
- 24 hour opening times
- Creche for younger children

Possible Solutions:

- Private changing rooms
- Marketing campaigns have used a range of people with different body shapes in e.g. This Girl Can
- Allowed participants to wear clothing that they feel comfortable in.
- Parents and child sessions

Cultural barriers: Some religions and cultures have laws or expectations which make it more difficult to participate in sport.

- Restrictions on clothing for women
- Time of day may also affect participation, as many religions have specific times for rituals and worship.



- Lack of role models
- Specialist sports clothing is hard to come by and expensive

Examples: Ramadan, were Muslims fast from April to May and Salat is when Muslims pray 5 times a day, this can make it difficult to fit in physical activity.

Possible Solutions:

- · Women-only sessions staffed by female staff
- Ask employers to reflect on diversity of their staff
- Cultural and diversity training for all staff
- Prayer rooms at leisure centres or extended opening times to offer more variety
- Adapted sports wear

Personal barriers: A range of other personal barriers may exist:

- Body image
- Lack of self confidence
- Parental/guardian influence
 Low fitness levels
- Concerns around existing health conditions
- Limited or time off previous participation











Component 1- Preparing Participants to Take Part in Sport and Physical Activity



Protective equipment

Learning aim B: Task 2

| | Protective equipment | | |
|-------------------------------------|--|--|---|
| Protective equipment category | What injuries/hazards does the equipment protect against? | Sport/physical activity/outdoor activity its used in. | Defribrillator: A defibrillator is a |
| Goggles | Used to protect the eyes from weather conditions, water and projectiles. In skiing googles protect your eyes from snow blindness. | Skiing Snowbaording Swimming Shooting | device that gives a high energy electric shock to the heart of someone who is in cardiac arrest. It is automated and takes the user through the process step by step. Where for find them? Schools Leisure centres Train stations Work offices Public spaces Officials Officials Officials Officials: All sports will have some form of official, that might be a; referee, judge or umpire. Some of the equipment they will need is: Whistle Earpiece Watch Microphone Disciplinary cards Note pad Goal lift used to a watch Pros: All Cons: 5 |
| Mouth Guard | Mouth guards typically cover the upper front teeth, and are designed to protect against broken teeth which can lead to, cut lips and other damage to your mouth. | Boxing Rugby Basketball | |
| Fioatation device | A personal flotation device (PFD) is something you wear that will keep you afloat should you enter the water. It will reduce your chance of drowning. | Open water swimming Sailing Canoing Sailing Kayaking Paddle boarding | |
| Helmets | Helmets absorb, dissipate, and reduce impact forces to an athlete's head and brain during collisions between players or a fall to the ground. | American football Rock climbing Canoing Ice Hockey Racing driving Skiing Cricket | |
| Body protection | Contact sports always put stress on your body, all body armour is designed to minimise the impacts of regular contact training on your body. The main function of shin pads is to protect the soft tissues and bones in the lower extremities from external impact. Shin guards provide shock absorption and facilitate energy dissipation, thereby decreasing the risk of serious injuries. | Rugby Cricket Horseriding Football | |



First aid kit:

It's important to have a well-stocked first aid kit in your home so you can deal with minor accidents and

Some items you may find in a first aid kit:

- Scissors
- Bangages





Officials

- Whistle
- Earpiece Watch
- Microphone
- Disciplinary cards
- Note pad

Officiating technology

VAR: video assistant referee, is used in football to check decisions made by the officials, such as penalties, offsides and



Better decision making

AED

- Player discipline
- Avoid controversial decisions

- Time wastage
- Decisions can still be wrong
- · Only used at top level games

Hawkeye: Is used in tennis and cricket, it used 10 cameras to predict where the ball will land.

Pros:

- Better decision making
- Descision made on under 10 seconds

- · Accurate to 5mm so there are still
- · Only used at top level games





Goal line technology: Uses the same technology as Hawkeye, 14 high speed ameras are used to detect if the ball has fully crossed the goal line or not. The referee is notified through a watch on his wrist. It will vibrate for 10 seconds if a goal is scored.

Pros: Accurate decisions.

Cons: 5mm error margin, costly & only used in the top leagues.



Component 1 – How can we prepare participants to take part in sport and physical activity?



Sports facilities

Sportshalls: A number of sports can be played in a sports hall, there will be court markings for different sports.

For example: Volleyball

- **Baskethall**
- Handball
- Netball

Can rent a hall easily in the public sector.

It can be expensive and might not be available when you need it.

Indoor climbing wall: A climbing wall is an artificially constructed wall with grips for hands and feet. It replicates the experience of outdoor climbing in a more accessible environment. Climbing walls are usually found in the private sector



More affordable and you can rent equipment.

High risk activity, expensive equipment if you buy your own, it can be repetitive. You may have to travel far as there are not that many indoor walls.

Dry Ski slopes: A dry ski slope or artificial ski slope is a ski slope that mimics the attributes of snow using materials that are stable at room temperature. They are found in the private sector.



Cheaper, can do it in any conditions, you can hire equipment.

It's not the same as snow, they can be far away and there aren't very many of them.

4G pitches: All weather pitches used for football and rugby. They have artificial grass and a rubber layer to help replicate the bounce of a grass



Pros: Can be used in all weather conditions, they can be rented in the public sector

Cons Injuries e.g. skin burns and joint injuries due to the impact. They can be expenive to rent.

Swimming pool: Can be used for fitness swimming or fun, you can play water polo and in some pools have a go at diving. They can be found in the public and private sector.

Pros: Accessible to all at a local leisure cente, lower prices in the public sector. ons: They have a timetable which means they may not be available when you need it.

Gym: Fitness centres and gyms will have a number of cardiovascular and weight machines to suit your fitness needs. They are found in the public and private sector.

Pros: A variety of equipment, in the public sector the membership will be more affordable or pay as you go. The equipment in the private gyms will be state of the art.

Private gyms are more expensive and require membership fees. Equipment in public gyms may not be the newest.

Footwear

Hiking boots: High sides to support ankles, waterproof, thick firm soles to provide grip on rocky terrain.



Football boots: Studs to reduce the chance of slipping.



Basketball trainers: High sides to reduce chance of rolling an ankle, rubber soles with grip to reduce the chance of slipping.



Running trainers: Cushioned to reduce impact on the joints and gripped soles.



Clothing

Warm gear: Feather weight fabric utilizes moisture transportation, which wicks sweat away from the wearer's body and filters it through the material, where it is then evaporated. This keeps athletes cool and dry in

Cold gear: In cold conditions the body loses 4-5% in performance. Cold gear is specially designed to help keep you warm; Light weight, soft brushed interior, 4 way stretch to stop it riding up and it traps air to keep you warm. They also have quick dry fabric so sweat can evaporate quickly to prevent chill.

Aerodynamic: Mainly used in cycling, tight speicalist fabrics like lycra cling to your skin to reduce drag. Wearing lycra when cycling makes your 2km per hour quicker! They also wick sweat away to keep you warm and dry.

Waterproof jackets: Waterproof materials mean that water will bead up and roll off, this is because the fibres are so close together that the water in unable to penetrate it. Hikers will always have a waterproof jacket with them! It will keep them dry and protect them from the elements.

Compression

Compression clothing:

Tight fitting clothing that has many benefits:

- raises the temperature of the skin and tissues to increase blood flow and promote healing.
- Reduces muscle vibration that can cause muscles to burn energy and cause fatigue
- support the body and reduce the chance of





Adaptive equipment

Sports wheelchairs: Cambered wheels to improve a player's turning circle and stability in performing sharp turns. The addition of rear caster wheels to stop athletes from falling out backwards and carbon fibre spokes to increase the strength of their wheels.

Pros: They are light weight and move easily. ms: Expensive and need to be specially made.



Cheetah blade: A running blade used to assist people with amputations. They make it easier for people to take part in sports or physical activities.

Pros: Blades are tailor made for each individual.

Cons: They are expensive and you may have to travel far to get fitted for one.

Smart watches

Smart watches: a wearable computing device that closely resembles a wristwatch or other time-keeping device. They track a number of things that can help to improve your health and fitness. E.g. iwatch, garmin & fitbit.

- · Track heart rate
- Calories
- Activity
- · GPS and many more features! · Cost, it can be expensive

Tracking is inacurate









GPS: Global Positioning System. Athletes wear GPS trackers when they train and play. They give them data on their distances, speeds and area covered.

- · Reduce the chance of injury
- Help you improve
- · Cost, it can be expensive
- It doen't track touches on the ball
- Unreliable when used inside





Hearing impairment: Radio aids help reduce the impact of background noise. The coach or instructor wears a transmitter and the participant wears the receiver.

Visual impairment: Adapted equipment can be used e.g. bells inside balls, brightly coloured balls or larger balls.

Curiosity Compassion Courage



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Pulse Raiser

Pulse raiser: This is a gradual increase in heart rate. To elevate the heart rate so it matches the intensity of the exercise about to be undertaken.

How long: 3-5 minutes

Example activities:

heat.

- Jogging
- Skipping
- Star jumps
- Side steps
- High knees
- Spotty dogs

Musculoskeletal Responses to a pulse raiser

The musculoskeletal system is the interaction of the muscles, bones and connective tissues (tendons and ligaments)

- Increased muscle temperature muscle contractions create movement and several by-products, one of which is
- Increased pliability of muscles When the muscles and ligaments/tendons are warm they can stretch further. This will make movements much easier when you are playing sports.
- Reduced risk of muscle strain the chances of injury are reduced when a pulse raiser is carried out. This is because your muscles are able to move and stretch further as they are warm.

Cardiorespiratory

Musculoskeletal







Learning aim C: Task 3

Body's response to a pulse raiser

Cardiorespiraroty Responses to a pulse raiser

- Increased heart rate this is a response to the oxygen demand at muscle sites. The
 muscles need oxygen to help break down energy to produce movement. The more
 movement a person does the more oxygenated blood they will need.
- Increased blood flow to muscles blood is re-directed to areas of need. i.e.
 working muscles. If a person starts to jog the muscles in the lower body will need to
 contract more often and with more force. To do this the muscles will need more
 oxygenated blood.

 Increased breathing rate — This is a bodily response to the lack of oxygen at tissue sites. Breathing rate will go up to cope with the demand for more oxygen.

 Increased depth of breathing — this aids a faster removal of waste products. With each breath you will be able to breath out more carbon dioxide.

5. Increased removal of carbon dioxide – this is the waste product of respiration.

Mobilsers

Mobilsers: These are exercises that take the joint through their range of movement. The movements will start small and progressively get bigger as you warm up.

Example activities:

- Wrist circles
- Shoulder rolls
- Lunges
- Open and close gates at the hips
- Ankle circles
- Hip rotation

The bodys response to mobilsers:

- Slight drop in Heart Rate As exercise intensity reduces heart rate will falls to reflect this.
- Slight drop in breathing rate The rate of breathing will fall by at least a 50% reduction.
- Increased Synovial fulid Mobiliser actions will increase production of synovial fluid in the joints to increase lubrication of the area. This will increase the range of movement possible.









Preparation stretches

Cardiorespiraroty & Musculoskeletal Responses to stretching

Response of cardio-respiratory system:

- Static stretches Further drop in heart rate and breathing rate due to stillness when performing the stretches.
- Dynamic Stretches Maintained elevated heart rate and breathing rate as this involved active movements.

Response of musculo-skeletal system:

Extends the muscle beyond a normal state to reduce the risk of a tear during the sport or activity session.

Preparation stretches: These are completed once the muscles are warm. The stretches picked should target the muscles that will be used in your chosen activity.

How long: Hold each stretch for 10-15 seconds and can be repeated Static stretch: when a person holds a position for a short period of time.



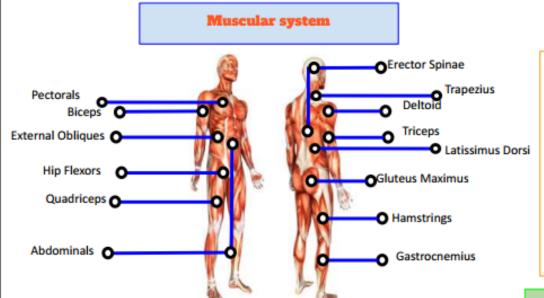
Dynamic stretch: when a person carries out a stretch on the move.





Component 1 – How can we prepare participants to take part in sport and physical activity?





Adapting warm ups

Adapting:

It may be necessary to adapt your planned warm up to suit the participants needs. Warm ups can be adapted in a number of ways:

- Intensity of the activity (moderate or vigorous intensity)
- Impact (high or low)
- Timings
- Different type of stretch

Low impact activities:









High impact activities:







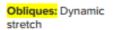




Organising your warm up



Example stretches



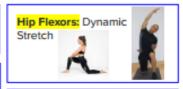
Deltoids: Static stretch

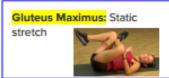




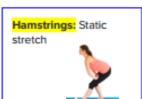














Sports specific activities

The last part of the warm up should include the opportunity to practice some of the skills used in the selected sport/physical activity or outdoor activity.

Examples of sport specific activities

- Football passing, 2v2, shooting drills.
- Basketball layup and rebound drills, ball handling skills, 3 man weaves
- Boxing shadow boxing, boxing combinations
- Kayaking pracitise the paddling action out of the water to help mobilse the shoulder joints

Things to think about when organising your warm up:

- Space: Is it indoor or outdoors? How weill you mark out your area?
- Indoor or outdoor: Is the weather suitable e.g. too hot, too cold or raining?
- Equipment: What equipment do you need and how much?
- Participants: Will they be in groups or in pairs?
- Timings: How much time will you allocate to each section?

Delivering your warm up:

Positioning: Think about where you stand when giving instructions. All participants should be infront of you and looking at you.

Demonstrating: You should be prepared to demonstrate each activity and you should also have alternative activities incase you need to adapt the warm up.

