

# Topic on a Page for BTEC Tech Award (L1/2): Sport

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

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- 3 Types and providers of sport and physical activities 3: Provision and characteristics of sectors, and advantages and disadvantages
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All of the above are provided as summary sheets and activity pages in both A3 and A4 formats.

#### Teacher's Introduction

This Topic on a Page resource has been created for the BTEC Tech Level 1/2 Award in Sport (first teaching 2022). It covers all the teaching content for **Component 1: Preparing Participants to Take Part in Sport and Physical Activity**. The aim of this resource is to summarise the different areas of the teaching content into manageable sheets of A3 paper, providing students with an overview of each area.

The resource comes with partially completed mind maps which form activity pages, giving students the opportunity to test their knowledge of the content by completing the questions set out on each page. Each page can be used by students of all abilities. For example, high-achieving students could apply additional examples to illustrate each topic area, whereas lower-ability students may wish to annotate the mind maps to enhance their understanding of each topic.

#### How to use the resource:

- The sheets can be handed out at the end of the course, or at the end of each topic for revision purposes. This can help students recap knowledge at the end of teaching.
- Each page can be printed out in poster size and displayed on your classroom walls as the topic is being taught, so that students have a visual reminder of what they have been covering in their lessons.
- Students should be encouraged to complete the partially completed mind maps to test their knowledge for this unit.

#### Specification reference table

There are 10 pages in total which cover the three topic areas within the unit specification. The following table can be used to identify which specification points you are teaching.

Page no A – Ex	Title plore types and provision of sport and physical activity for different types of participa	Spec reference
1	Types and providers of sport and physical activities 1: Types of sport and physical activity	A1
2	Types and providers of sport and physical activities 2: Benefits of taking part	A1
3	Types and providers of sport and physical activities 3: Provision and characteristics of sectors, and advantages and disadvantages	A1
4	Types and needs of sport and physical activity participants	A2
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B – Ex	amine equipment and technology required for participants to use when taking part in	sport and
physic	al activity	
7	Different types of sports clothing and equipment required for participation in sport and physical activity	B1
8	Different types of technology and their benefits and limitations	B2-B3
C-Be	able to prepare participants to take part in physical activity	
9	Planning a warm-up (types and responses)	C1
10	Adapting a warm-up for different categories of participants and types of physical activities, and delivering a warm-up to prepare participants for physical activity	C2-C3

July 2023

# TYPES AND PROVIDERS OF SPORT AND PHYSICAL

There are many different types of sports and physical activities that people participate in – far too many to cover on a single sheet of A3 paper! Each sport and physical activity can generally be placed within one of four categories (see below).

However, there is a lot of crossover between these categories as some sports can be competed in as indi events, just like many outdoor activities are participated in for the purpose of improving physical 'mes. " " e sp ts can also be participated in as forms of outdoor or physical fitness activities. Below we will cover ea //ca/e //ry ///n //e depth and provide examples of sports and activities in each category, as well as drawing lines the state of the state o

#### KEY TERM

Sport - any co physical exert and a national

Physical activ that requires



Racquet sports such as tennis and badminton.

Field athletics events such as the steeplechase, and track athletics events such as the long jump.

Martial arts such as taekwondo and karate.



Disability sports such as Boccia where players must throw their ball so that it lands close to a target ball.



#### PHYSIC

Physical fitnes different body s health condition

Golf is competed in as an individual sport in competitions such as the British Majors, but it is also a common physical fitness activity for older participants.



Othe CrossFit® Zumba,





Gymnastics, boxing, trampolining, cycling, platform diving

Some sports can be performed as both individual and team activities. Fo

mpε /teams in

mpetitions.

both singles and do the game. Fie' ath lics are. Iming

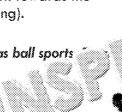
example, tennis and badm'...

Others include:

#### TEAM SPORTS

Where two or more individuals compete against another partnership or team to work towards the same goal (usually winning).

Most team sports are competed in as ball sports



Football teams consist of attackers.

midfielders, defenders

and a goalkeeper.



Rugby is split into Union and League codes. Teams consist of forwards and backs.



specialist roles, such as

batting, bowling and

wicketkeeping.

There are also disability variations of sports, such as wheelchair basketball and blind football.

#### Others include

Hockey, netball, volleyball, rowing, hurling, handball



Many outdoor act competed in as ind Canoeina/Paracanoe, sports such as skiing a are all Olympic/Paral



Snow sports such as skiing, snowboarding and snowshoeing.



#### IMPROVES RESILIENCE AND SELF-CONFIDENCE

Recovery following a defeat or a criticism of performance in sport helps to develop our resilience for future performances. Good performances and success in competition help with gaining self-confidence.

Resilience – the ability to recover from difficult and challenging times.

Self-confidence - the belief in our own abilities to perform well.



Sport allows us to build experience on how to get the best out of others. Leaders in sport are very effective in their communication and can identify when others might need support and the most effective way to provide this.



#### "I. 🙏 🐛 "ES FÍTNESS LEVELS

articipation helps to improve the physical and skill-related components needed to take part in sport, such as the coordination needed to use multiple body parts at the same time.



#### IMPROVES PHYSICAL HEALTH

Fitness activities can improve physical health outcomes, e.g.:

Helps control weight (reduces obesity)

Healthy blood pressure

Reduced risk of diseases, e.g. coronary heart disease

## INCREASES CONFIDENCE LEVELS

Participating In physical fitness activities can lead to a more positive body image, improving perceptions about appearance.

BENEFITS OF TAKING PART IN SPORT AND PHYSICAL ACTIVITY

TIW Per peop (ha

## IMPROVES BODY COMPOSITION ---

A lot of physical fitness activities are targeted towards people who are looking to reduce body fat and build lean muscle mass.

Body composition the ratio of fat to fc free mass (water, muscle and bone) that makes up our bodies.

BENEFITS OF TAKING PART IN PHYSICAL FITNESS ACTIVITIES

# M. PREW PEOPLE

ere are many groups, clubs and classes that offer physical fitness activities, providing the opportunity to meet new people and make friends.



#### llows for goal-setting

Improving fitness through physical activity can give the participant inspiration to set goals and get the most out of their training.





#### REDUCES SCREEN ON ELECTRONIC DI

Performing activities in n be a way of reducing sc on electronic devices. This avoid unhealthy sedentary behavio

It can reduce stress and often associated with e screen time and imp mental health.



# TYPES OF PROVIDERS OF SPORT AND PHY

Provision of sports and physical activity can be found across the entire world. The levels and types of **provision** will vary by country and degovernment investment in the health and fitness industry. The three key sectors that provide the opportunities to participate are the **public**, Each has different advantages and disadvantages in terms of their funding source, aims, quality of provision and accessibility to different



#### PUBLIC SECTOR

The UK's public sector is largely funded from taxpayers' money. This is distributed to local authorities who reprovided with a budget to maintain the difference of the population in a local schoolchildren and contains the difference of the population in a local schoolchildren and contains the difference of the population in a local schoolchildren and contains the difference of the local schoolchildren and contains the difference of the local school scho



sist: spanies whose primary aim is to a protit. This may be world-class facilities elife teams and athletes, or facilities owned by successful businesspeople.



#### CHARACTERISTA

Source of funding	Ful payers' money and distributed by the cent of the local authorities.
Main aims	To include mass participation across all social groups and promote a healthy, active nation.
Quality of provision	Basic and lacking in range as local government must budget costs.
Accessibility	Highly accessible due to initiatives that overcome barriers, e.g. campaigns for disadvantaged groups.



#### EXAMPLE OF PUBLIC PROVISION

Local leisure centres are run by local authorities, e.g. local councils. The example here is Horfield Leisure Centre in a suburban area of Bristol. It is funded by Bristol City Council and provides gym and swim facilities for local residents, who can either pay per visit or purchase a membership at a discounted rate.

#### CHARACTERISTICS

Source of funding	Wealthy businesspeople or consortiums that ownership of companies or professional sports
Main aims	To maximise profits by using marketing techni adapting to the latest fitness trends to attract r
Quality of provision	Use of the <b>latest equipment and technology</b> prange of fitness and activity opportunities.
Accessibility	Some facilities are <b>exclusive</b> to elite athletes. open to the public and charge <b>premium prices</b>



#### EXAMPLE OF PRIVATE PRO

Privately owned facilities such a Active are often referred to as because they have considerable or generate enough profit to opnumerous facilities across a region entire country. Members pay a to receive the latest fitness equipate technology, as well as other

#### ARVANTARES

#### 

- Provides a wide range of sport and physical fitness activities
- Cost of participation is heavily subsidised and sometimes free for some members, over 60s
- Allows equipme
- Serves a large n of people, e.g. school provision of sport
- Private facilities built for sporting events might be purchased by the public sector

- Equipment availa'
  usually che and
  la'';
  - ana equipment may rused and damaged
- May be lacking in access to different sports and participants, e.g. minority activities and people with disabilities
- Funding is dependent on local government

#### 

- Provides for specific sports or physical activities to meet individual needs
- Hosts a wide range of specialist equipment of the highest quality
- Can restrict membership so as to reduce numbers using facilities at any one time
- Access to professionals such as sports therapists and personal trainers, and other facilities such as crèches for children

- Cost of participation very expensive, exited individuals
- Access to sports fa be restricted, e.g. only available to e
- Can be socially ex discriminatory, e.g such as golf and te image of exclusivity

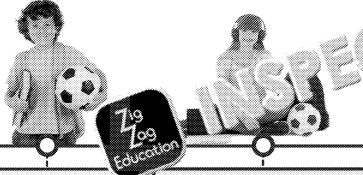


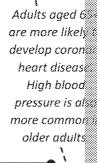
# TYPES AND NEEDS OF SPORT AND PHYSICAL ACT

There is a wide range of individuals who have varying physical, social and mental health needs. These needs can be met by participation in sport and physical activity. Examples of different types of participant and their needs in sport and physical activity are covered below.

#### PARTICIPANTS OF DIFFERENT AGES

As sports and physical activity participants get older, their needs and reasons for taking part will change. This is influenced by how a person's physical abilities change over tices.





#### PRIMARY SCHOOL (5-11 YEARS)

Participation at primary school age is mainly for enjoyment. Sport and physical activity plays a huge part in the social development of children. It is where they will make friends and develop key skills in communication and teamwork, as well as basic sporting skills.

#### **ADOLESCENTS** (12-17 YEARS)

Most adolescent participants will have one or two sports or activities that they dedicate time to. Therefore, needs at this age are usually centred on increasing fitness levels for that sport or activity. However, an increased awareness of body image around this age may also mean that exercise is used for mental health needs such as self-esteem.

#### ADULTS (18-49 YEARS)

A large number of adults continue to participate in sport to meet physical health needs such as improving fitness, body composition and sleep quality. Employment that typically comes with adulthood means that adults will often use participation as a means to meet mental health needs, such as decreasing stress levels, improving work-life balance, improving mood and decreasing risk of depression.

#### OLDER ADULTS50+75475

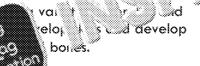
ang seminenth conditions The will half to decrease lone lines som meet ne v people

For children and young people (aged 5–18), the recommendations are an average of:

#### **60 MINUTES**

of moderate to vigorous physical activity per day, spread out across the week

Children should take strenath-based ac



For adults (including disable \_\_\_\_\_ alider \_k \_3ts, the government recommends:

#### 75 MINUTES

of vigorous-intensity activity spread out across the week.

Other weekly recommendations are that:

ate- 1. sw. activity

Zross the week.

- Adults perform strength-building activity on at least two days
- Disabled adults perform strength and balance activities on at least two days
- Older adults perform activities that improve balance on at least two days

#### GOVERNMENT RECOMMENDED GUIDELINES

The UK government uses empirical research to inform and update its guidance on the types and amount of physical activity that people of different ages and life circumstances should be doing to maintain a healthy, active lifestyle.







# COST, (ACCESS) AND (TIME) BARRIERS AND METHODS TO ADDRESS THESE

There are many factors that prev factors are known as barriers, and sports and activities. They may a



## COST OF PARTICIPATION

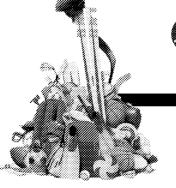
A lot of sports and activities will cost someone money if they want participate, but there is more than just the cost of the activity is a barrier. The clothing and equipment required, and the state needed to get to the activity, all contribute

#### COST OF CLOTHING

Many sports and activation require particia dress a certain example, son wanting to go hik need full waterproons including jacket, trousers and shoes.



Equipment is essential to participation in some sports and activities. Much of this will be off-limits if equipment is expensive. For example, an entry-level road bike can cost at least £200.



#### DISCOUNTS

Activity providers and sports clothing brands could provide discounts on clothing required to participate. For example, Mountain Warehouse regularly offers clearances on stock for participants to grab a bargain.

#### -- - SOLUTION:

#### DISCOUNTS AND HIRING EQUIPMENT

Many brands offer discounts on equipment so people can buy it at a cheaper price. Activity providers may also offer equipment hire, e.g. golf clubs.

#### COST OF TRANSPORT

Many participants are unable to afford a car or regular public transport costs. Those who do have a car might still have to pay for car parking.



#### - SOLUTION: . -

#### TRANSPORT CONCESSIONS / FREE PARKING

Local councils could offer to specific concessions such b Fitness cer' ( Id ( ), car

#### 

#### WITH COST OF. Individuals with individuals with may struggle to

PARTICIPANTS WHO MAY STRUCK

Older adults or people who are forced to retire early may not be able to cover participation costs with their pension

earn money

		Riek		SOLUTION
300000000000000000000000000000000000000	A .	Memberships can be costly	<b>√</b>	Concessions and discounts on memberships Membership promotions (e.g. free month on sign-up)
000000000000000000000000000000000000000	*	Prices for some activities may be expensive	<b>√</b>	Free participation (e.g. free swimming for under 5s) Competitions and giveaways

#### TIME AVAILABLE TO

n. life, work and school are the 🔑 tiı 🛴 available for a person to p



#### STUDY COMMITMENTS

The majority of teenagers are in full-time education. Homework and revision tasks after school limit their free time.

#### PROGI EXTRA

A Schedule and sp

scho

#### ACCESS TO SPORT AN

Access can refer to the types of activity, facilities of the sport / activity provider, transportation available for someone to

#### REQUIREMENT OF RES

People with physical disabilities may equipment or gaining access to swimming



#### **UIPMENT AND** *SSI\_7IVE TECHNOLOGY*

Not of swimming pools provide a pool hoist to lift those with physical disabilities directly into and out of the pool.

Braille and signage can help those with visual/auditory impairments.

#### LOCATION OF SPORT / PHYSICA®

Sports and activity facilities and provid out of reach for many people who do n means to access them (e.g. a car or local

#### LIMITED ACCESSIBLE TRANSP

People with disabilities may require special such as wheelchair-accessible minibuses. services could prevent people from po



#### 

		Cost
Ø Ø Ø	Clothing Equipment Transport	✓ Discounted pricing ✓ Equipment hire ✓ Free car parking
	Α	ccess
Ø Ø Ø	Location Limited accessible transport Resources Types of activity available	✓ Bus passes ✓ Cycle hire / schemes ✓ Taster days ✓ ing t Cess ✓ Assistive technology / equipment / facilities
	Time co	mmitments
Ø	Work	✓ Crèche facilities

#### Personal barriers

 $\emptyset$  Body image  $\varnothing$  Lack of selfconfidence

∅ School

 $\emptyset$  Family

- ∅ Parental / guardian influence
- ∅ Limited previous participation
- Low fitness levels
- $\emptyset$  Extended time off
- Concerns about worsening health

- $\emptyset$  Single-sex sessions
- Clothing restrictions
- $\emptyset$  Relatable role models

✓ Private changing facilities

opening hours

✓ Extended

- Relaxed clothing policy
- Embracing a variety of individuals (e.g. body shapes)
- ✓ Parent and child activity sessions
- Campaigns aimed at disadvantaged groups

#### Cultural

sessions Social norms Diversity of staff

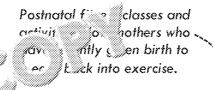
> working at facilities ✓ Staff training in cultural

> > awareness

# PERSONAL AND CULTURAL BARRIES AND METHODS TO ADDRESS

## PERSONAL BARRIERS

Personal barriers include those that apply to 1 individual and their situation.



## PARENTA! !! /L/E

nc e to ∡k ≱n ⊆ bu.√and ities/Parents or ardians may prioritise their own physical activity needs over their children's if they have little spare time.

#### JOINT PARENT AND CHILD SESSIONS

Providing activities for both the parent and child can allow both parties to benefit from taking part in sport or physical activity and create a familial culture of sport.

#### SOLUTION

## RELAXED

## CLOTHING POLICIES

Relaxed clothing policies allow people to wear what they feel comfortable in.

#### **BODY IMAGE**

Many people avoid sports participation as they feel ashamed of how their body may look compared to the 'perfect ideal'. Social media plays a part in creating a picture of what a sport participant should look like.

#### PRIVATE CHANGING FACILITIES

Private changing facilities can allow people who are self-conscious about their appearance to have privacy when changing.

## **CULTURAL BARRIERS**

Cultural barriers concern issues to do with gender, sexuality, ethnicity and religion.

#### SINGLE-SEX SESSIONS

There is a lower availability of sports clubs and leagues for females with compared to male... sports and cair les are av la or ∌r...ered by the foreign spans, which can be guite intimidating.

Ethnic minority – a group of people with a shared religion, culture or nationality who are under-represented within a given community.

## 

A leter by Jing to ethnic m. A groups are underpresented in sport. As a result, they may feature less on promotional material, e.g. adverts for sports events and modelling clothing.



#### EXPOSURE O RELATABLE

SOLUTION: ··

Media channels 🕷 coverage of ath cultures are able 🛭 given spor

Fitness centres s diversity policies

There tends to also be a lack of diversity of staff working at sport

#### FEMALE-ONLY SESSIONS Fitness centres and other sports

providers should advertise female-only activity sessions run by female coaches, so that women can feel more comfortable while exercising.

This could also include other genderonly sessions and is not just limited to females.

Discrimination - unfair treatment of certain people based on a given characteristic, such as skin colour.

Unjust to whethe particip



# SPORTS CLOTHING AND EQUIP

Many sports have regulations around the clothing that performers are allowed to wear and the equipment they are allowed to use in order to par require specific clothing to stand out from performers, and also equipment to apply their authority. Many physical activities will also have guideline

## Clothing

**Sports kits** will be specific to the sport or activity, and sometimes the competition. In invasion games such as football and hockey, **different colour kits** are often worn to differentiate the two teams.

In the Wimbledon Tennis ionsi tradition for players (c) es.

For general physical control as weight training in a gym or rule wicking T-shirt and shorts would be an appropriate choice of training clothing. For team sports training, bibs are often worn when running drills.

When performing sports outdoors, appropriate waterproof clothing may be worn, such as jackets and bottoms which prevent undergarments from getting wet.

#### Footw/

Wearing suitable from art the canad the playing surfrage primal p

rain rs reworn on hard surfaces such as road or in an indoor sports hall. They can be worn for a range of general physical activities, including running, cycling and exercising at the gym.



Studded boots are worn in team sports on grass or artificial pitches to enhance grip with the surface. The type of stud used varies with playing surface, such as rubber blades on firm ground and metal studs on soft ground.

Sport-specific footwear includes running spikes, which are used solely in athletics to aid grip on rubber tracks. Other examples are cycling shoes with cleats that attach to pedals.



## Sport-spec

Participation equipment part in a specific sport

- Tennis racquets
- Hockey sticks
- Footballs
- Golf clubs

Sport-specific equipme certain sports. Example

- Kayaks
- Road bikes
- Skis

Scoring equipment is used include goalposts in rugs and hoops in basketbas

Equipment for **fitness** to sport-specific. Example dumb-bells, resistance and cardio machines su

# Protection and safety equipment

Helps **protect** the body from damage during activity and reduce the risk of **injury**. Examples include:

- Head guards / helmets protect against head injuries and reduce the risk of concussion
- Gum shields protect the gums and teeth
- Ski goggles protect the eyes from UV rays, or swimming goggles to protect against pool chlorine
- Padding, e.g. cricket pads, can protect against impact from the opposition and/or equipment
- Floatation devices, e.g. armbands or was which reduce the risk of denomina.
- First-aid equipment
   plasters, can help
- Ice packs help to \_\_\_\_\_\_ and strains
- Defibrillators, which is the event of someone going into cardiac arrest.









ər bl 🐛

# Equipment for people with disabilities

Many people with physical disabilities require use of specifically designed wheelchairs. These are usually designer for speed by being lightweight have angled wheels to it row tabilities in sports that remaining a february rugby.



people with visual impairment. Most accessible fitness centres and sports venues will have hearing loops installed. This is a technological sound system that reduces background noise and enhances speech sounds through a hearing aid.

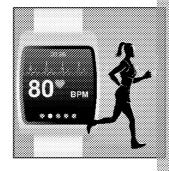
Equipment to assist people with visual impairments will vary by the sport or activity. For example, blind football uses a sound ball that makes a noise as it rolls across the playing surface, whereas visually impaired Boccia uses a tactile touch board which allows players to identify the location of the target ball.

#### **Perform**

Equipment is used in perfo

Wearable he around the

Heart rate monitors as such as treadmills, who pick up puls



A range of **mobile** performance analys Express, which allows videos using dra



## Advances in Performance

Lightweight, composite materials have replaced heavier materials so that more power can be generated from less energy. Examples include:



Graphite tennis racquets provide more power and less vibration.



Carbon-fibre road bikes offer a greater return from each push of the pedal. Their light weight helps gain **speed** easily.

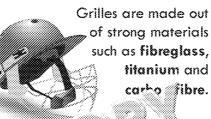
echnology has helped advance the design of equipment. For example, a golf driver head is designed with a titanium face, increasing the propulsion of the

> Limitation: Better-or "lity me": higher cost cost 10×

a from aluminium.

## Advances in **Protection**

Latest developments of cricket helmets allow for ventilation and the shells are made with **moulded** plastic or man-made fibres.



Some protective eq ome has b designed with ne r nce are made with ್ರಾಕ್ಸ್ಸ**ene foam** and are

s >c lined for aerodynamics.



Limitation: Better-quality equipment comes at a higher cost. For example, more expensive helmets contain a protective feature known as MIPS, which reduces rotational forces on the brain in the event of a fall.

Assisti

#### for people



Prosthet amputat which uses carbon f

Sport-specific w sports to enhance with analed whe lightweight mate



Limitatio to access creates of

Assistive technol

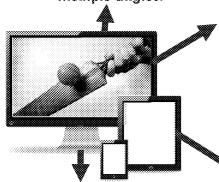
- Hearing loops
- Audio cues or visual impairme

## Performance analysis

The introduction of camera systems, wearable technology and specialist software in sport has allowed for a more in-depth analysis of performance, allowing performers to gain that extra 1%.

#### Action cameras

Allow for instant replays of sports events, and allow actions to be seen close up from multiple angles.



#### Sensors

Built-in sensors on sports equipment allow for more indepth analysis of sports movements. For example. cricket bat sensors pick up information such as bat speed, angle and point of contact. This provides coaches and players with information used to analyse their performance and make improvements to their game.

#### Apps

h∈⊿someone achieve

diet goals.

Fitness apps are compatible with smartwatches and allo Global positioning system deeper analysis In It or devices are wearables worn activity · ja / ja / ja / ja / ja in a bespoke vest on a 🤈 🖫 p 🎾 ar apps player's back, and are va n ack calories and to track distance of

of movem

#### Limitations:

- Can be very time-consuming setting up equipment, analysing data and producing feedback or reports to performers.
- Some equipment and its software will require specific training.

- If equipment breaks or malfunctions it costs to get it fixed.
- Cheaper equipment may be less accurate.

# SEORTS TECHNOLO

## Advances in Officiating

Video-assisted decision-making



The video assistant raferee (VAR) in foot! relevisio 🔧 🕻 žic. (TMO) \_\_\_\_\_i y a⊨ y he on~pitch ficial . Lew key decisions.

#### er-assisted systems

Multi-camera systems track the movements of objects and performers in sport. For example, Hawk-Eye in tennis can assess whether a ball is in or out. It is also used for goal-line technology in football and Hot Spot in cricket.



Limitation: Only used in the top elite leagues, which means there may still be a lack of fair play in lower leagues and amateur sports.

# Replical

Snow domes used to replicate conditions ne sports such as and snowboa

Altitude cham hiah altitude



3G and 4G artificial grass® tradition are

Indoor sports right amount of to move on the

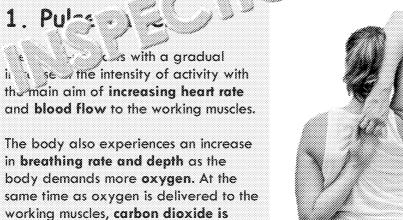


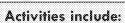
# Planning a Warm-up

The warm-up is an essential aspect of any sport or activity session. Having a good understanding of the different components and types of activity involved, as well as how the body's systems respond to these activities, will help the participant get the best out affine session.

## Warm-up

Helps to prepare the body both physically and mentally for the small





- Jogging on the spot
- Skipping with a rope
- Performing an incline walk

participant becomes more active. A aradual increase in intensity will increase the pliability of muscles and reduce the risk of strains.

during the pulse raiser as the

removed and breathed out into the air.

Muscle temperature will also increase



#### 2. Mobiliser

warm-up should involve three key components:

Mobiliser activities aim to increase the ra/ movement at the joint. They achieve this increasing the production of synovial flui which lubricates the joint and frees move

Mobilisers tend to start with small moven which progress into larger movements as joint increases in flexibility. They result in slight drop in heart rate and breathing they are performed at a lower intensity compared to the pulse raiser.

#### Other activities include:

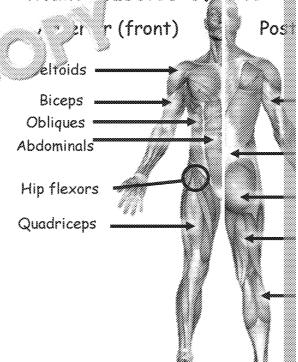
- Circling the arms for **shoulder** mobility
- Swinging the legs for hip mobility
- Rotating the ankles for ankle mobility

The example show the image is an overhead reach. for shoulder mobil e.g. in an upperweights session.

#### Below is a summary of the responses of the cardiorespiratory and musculoskeletal systems to the different components of the warm-up.

	Cardiorespiratory responses	Musculoskeleta <sup>†</sup> -7 .
Pulse raiser	<ul> <li>Increased heart rate</li> <li>Increased breathing         rate/depth</li> <li>Increased oxygen deliv</li> <li>Removal of cask is a.</li> </ul>	າ In ອີເ ານ eráture deas d ບະລອ pliability ຊີ້ a risk of muscle strain
Mobiliser	in Listra 2	<ul> <li>Increased production of synovial fluid</li> <li>Increased joint flexibility</li> </ul>
Preparation stretches	<ul> <li>crches: slight drop in heart rate and breathing rate</li> <li>Dynamic stretches: maintained heart rate and breathing rate</li> </ul>	<ul> <li>Increased muscle stretch</li> <li>Reduced risk of muscle injury</li> </ul>

## Main muscles of the h





# Adapting and Delivering a Wa

The planning of a warm-up should consider how it is to be tailored to suit the types of participants, as well as the sport or activity. The delivery concerns the organisational aspects of activities, including demonstrations and the support provided to participants throughout.

# Adapting a warm-up

The types of participants and the sport or activity will determine the activities the activities one of a warm-up will decide to choose, and how these activities will be adapted to suit the first one of activities.

#### FOR DIFFERE

Varying the interpretation of the surface of the su

#### \_w-impact options

Older participants are more likely to have **joint issues**, which means **low-impact** pulse-raising activities such as cycling or using a crosstrainer will be more suitable than running on a treadmill. **Static** stretches may also be chosen over **dynamic** stretches as they tend to be lower impact.

Low-impact option such as using an exercise bike





High-impact
option such as
readmill running

#### Varying the timing

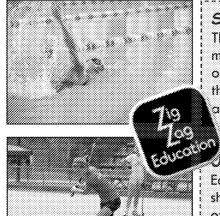
intense activity.

Shorter warm-ups may be planned for **children** or participants with **learning difficulties**, who may struggle to maintain **focus** and just want to get on with the main activity. Longer warm-ups may be planned for **older adults** or **beginners** to ensure that they are fully warmed up and ready to go.

#### Type of stretching

Simple stretches focusing on a single muscle group should be used for beginners, whereas compound stretches can be used with more experienced participants.

## FOR DIFFERENT SPORTS AND ACTIVITIES



#### Specific movements

The warm-up should re-" y The movements and c port or activity to the wrengths of the contact of a session, or passing and the contact of a netball game.

#### lse of specific equipment

Equipment that is used in the main activity should be introduced in the warm-up as a form of **familiarisation** for the main activity. For example, a **hockey** player should practise with their **stick**. This can be performed as part of the pulse raiser.

The preparation
stretch should target
parts of the body that
are most used in an
activity; for example,
the leg muscles in
running activities and
the upper-body
muscles in
throwing
activities.

## L

There are different effective training



#### Timings

The warm-up should timings planned for the category of participal warm-up for young coverruns may lose cotheir focus.

#### Demonstrations

Session leaders should participants how to per activities. This can be alongside instruction participants receive verbal information.





#### Observation

The leader should supervise participant provide support whenecessary. For example, they may not have funderstood instruction may be performing activity incorrectly.



# TYPES AND PROVIDERS OF SPORT AND PHYSICAL

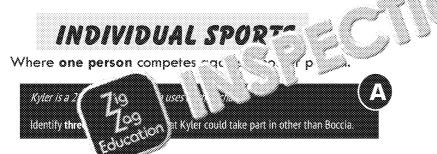
There are many different types of sports and physical activities that people participate in – far too many to cover on a single sheet of A3 paper! Each sport and physical activity can generally be placed within one of four categories (see below).

However, there is a lot of crossover between these categories as some sports can be competed in as indi events, just like many outdoor activities are participated in for the purpose of improving physical 'mes. " " e sp ts can also be participated in as forms of outdoor or physical fitness activities. Below we will cover ea //ca/e //ry ///n //e depth and provide examples of sports and activities in each category, as well as drawing limits. The them,

#### KEY TERM

Sport - any co physical exert and a nationa

Physical activ that requires e



2.

3.



Disability sports such as Boccia where players must throw their ball so that it lands close to a target ball.

#### PHYSIC

Physical fitnes different body s health condition

Golf is competed in as an individual sport in competitions such as the British Majors, but it is also a common physical fitness activity for older participants.

Cardio:

## TEAM SPURTS

Where two or more individuals compete against another partnership or team to work towards the same goal (usually winning).

Kimberley has just moved to a new area al



Football teams consist of attackers. midfielders, defenders and a goalkeeper.

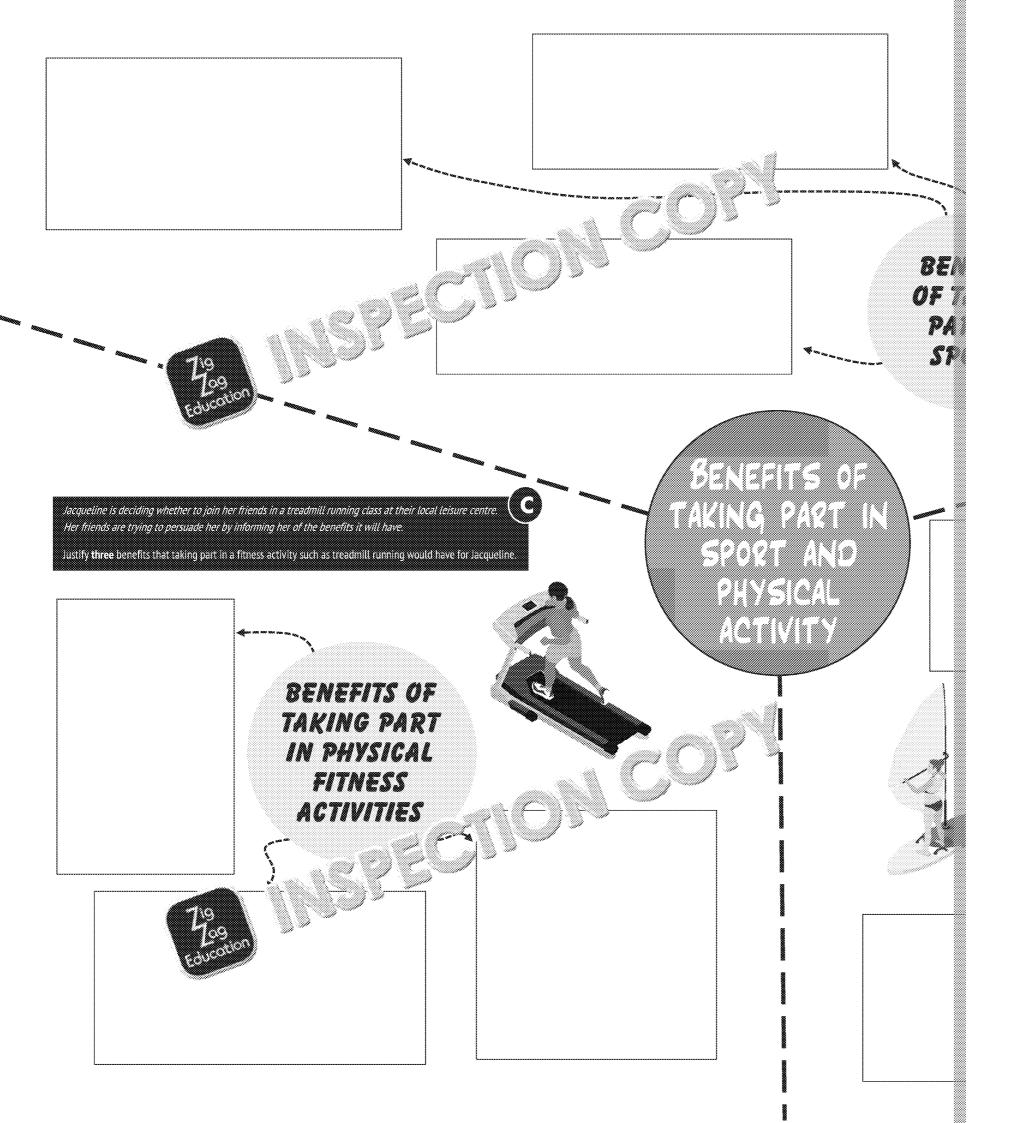
Some sports can be pe both individual r A act

> Many outdoor activitie competed in as individ

2.

3.







# TYPES OF PROVIDERS OF SPORT AND PHY

Provision of sports and physical activity can be found across the entire world. The levels and types of provision will vary by country and de government investment in the health and fitness industry. The three key sectors that provide the opportunities to participate are the public, Each has different advantages and disadvantages in terms of their funding source, aims, quality of provision and accessibility to diffe

Mustafa has moved to university and is looking for a gym he can attend in the suburban area of the city he is living in. He has found a council run leisure centre in his local area.

- Identify the type of provision in Mustafa's local area.
- b) Complete the table to identify the characteristics of the type of provision in Mustafa's local area.
- Identify two advantages and two disadvantages of the type of provision in Mustafa's local area.







#### Puada*etedictiec*



,	<i>UMAKAUIEK</i>	13/163
	Source of funding	
	Main aims	
	Quality of provision	
	Accessibility	



## CHARACTERISTICS Source of funding Main aims Quality of provision

Accessibility

ajlable in her local area are at a Virgin Active

characteristics of the type of provision in Lydia's area.

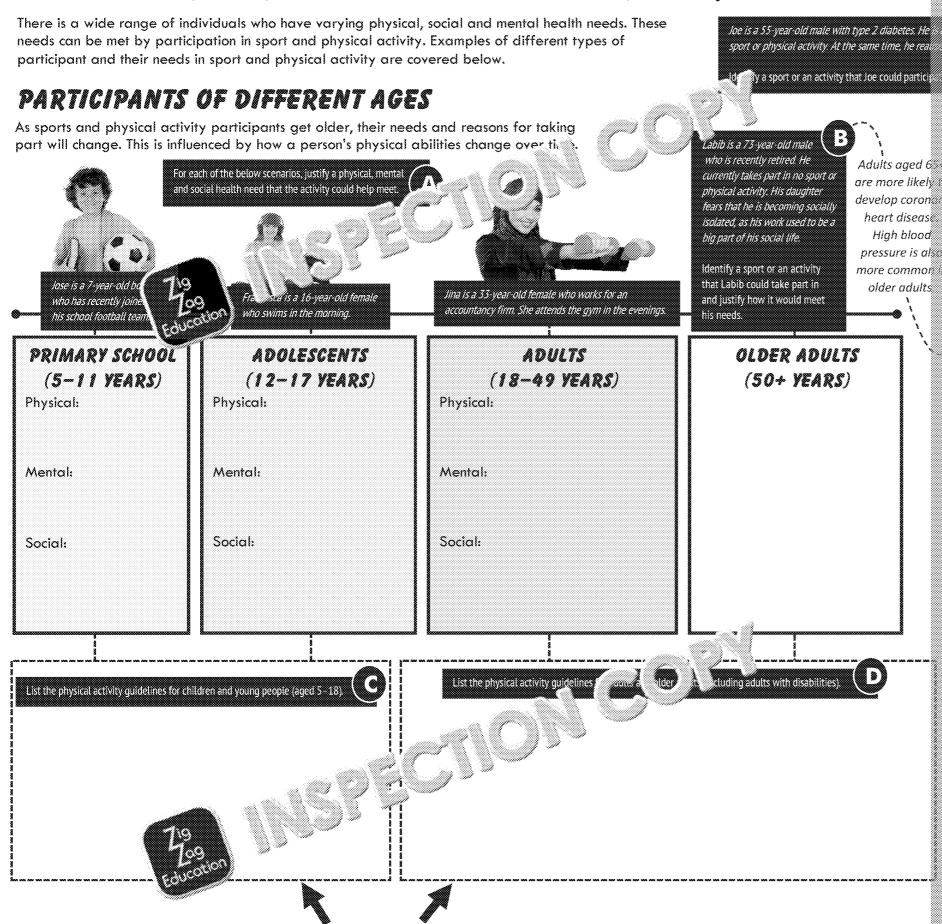
s and two disadvantages of the type of provision in Lydia's area.

Asta (1987) (1987)	9 (-159)	ANG REGIO		
	<b>%</b>			

ATRES	0(5497457)
	<b>Ж</b>
<b>√</b>	<b>%</b> .



# TYPES AND NEEDS OF SPORT AND PHYSICAL ACT



#### GOVERNMENT RECOMMENDED GUIDELINES

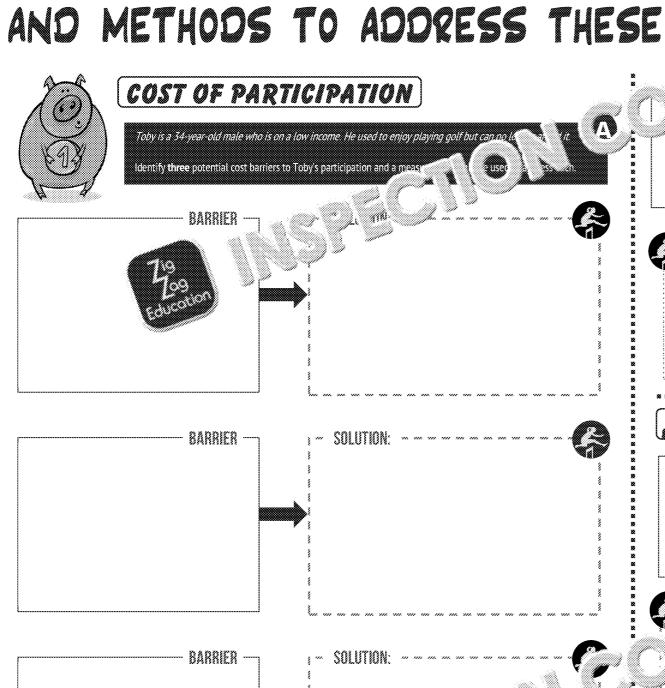
The UK government uses empirical research to inform and update its guidance on the types and amount of physical activity that people of different ages and life circumstances should be doing to maintain a healthy, active lifestyle.

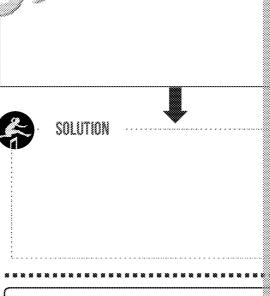


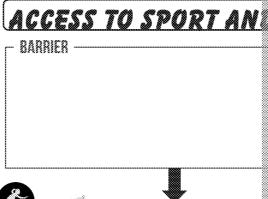
# COST, ACCESS AND TIME BARRIERS

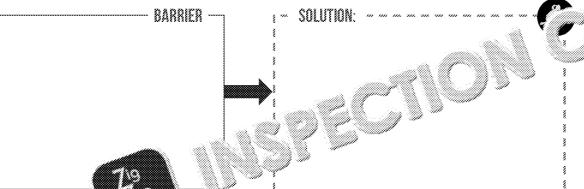
There are many factors that prev factors are known as barriers, and sports and activities. They may a

TIPE AVAILABLE TO









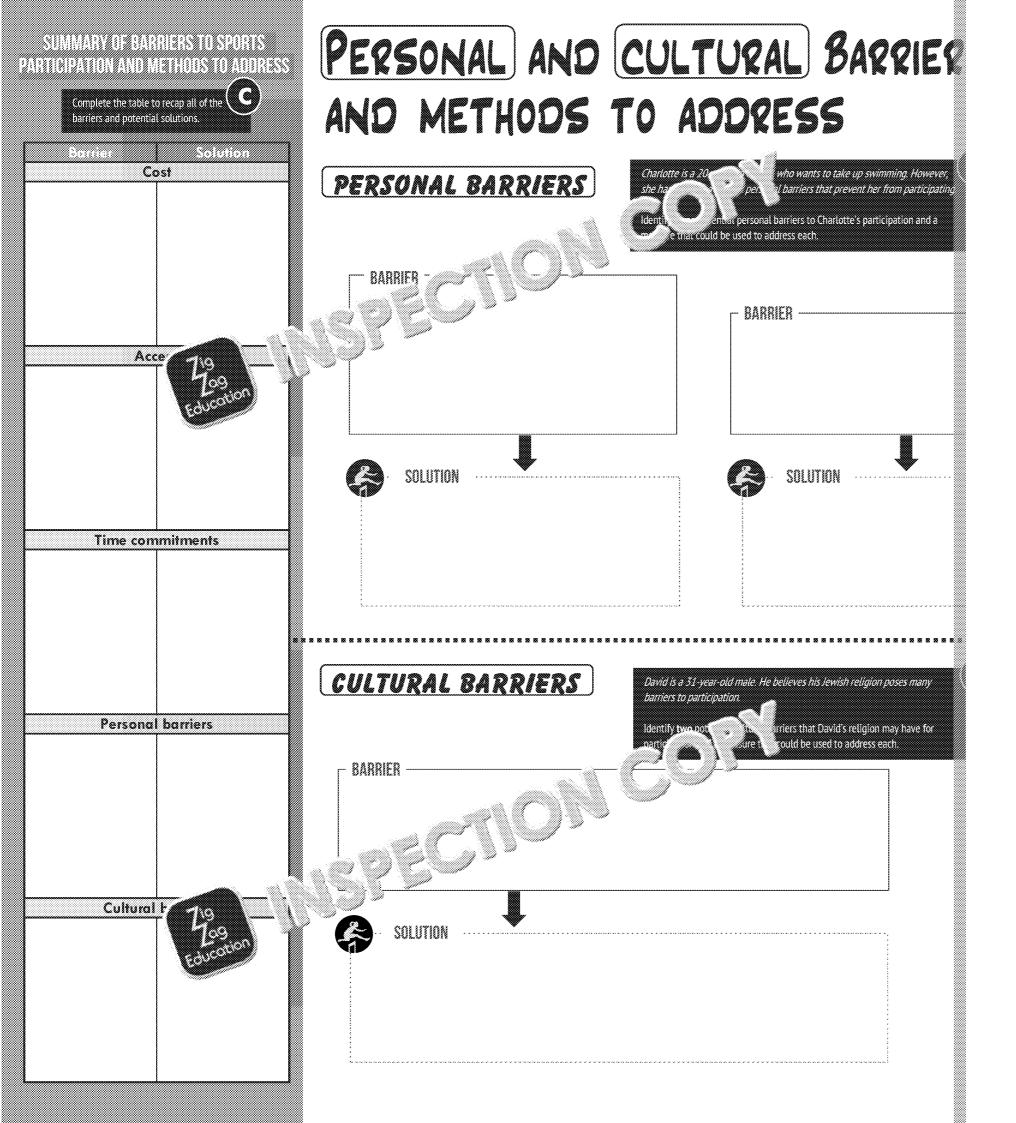


#### 

- Individuals with disabilities, e.g. individuals with visual impairment may struggle to find employment to earn money
- Older adults or people who are forced to retire early may not be able to cover participation costs with their pension



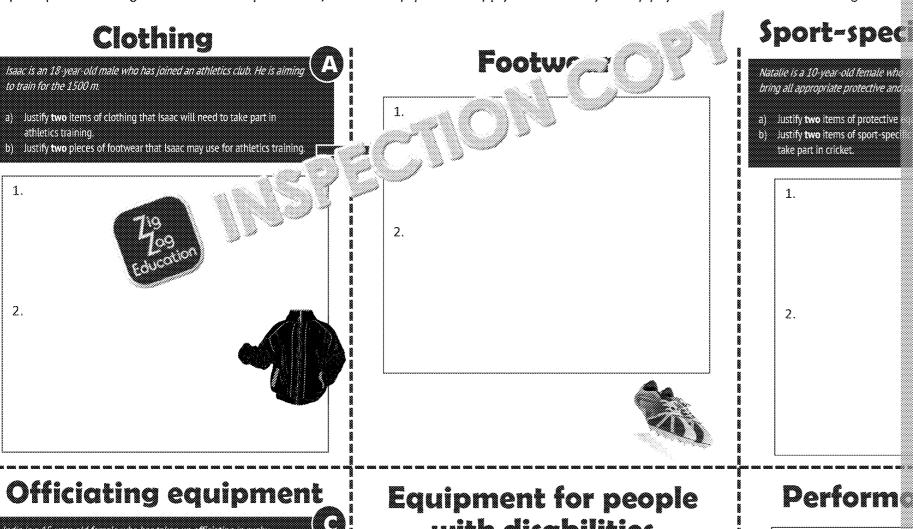




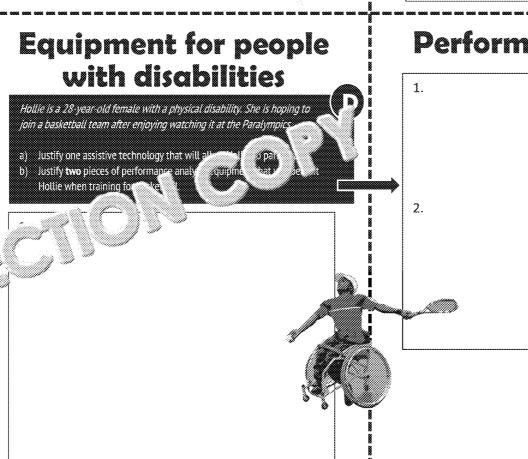


# SPORTS CLOTHING AND EQUIP

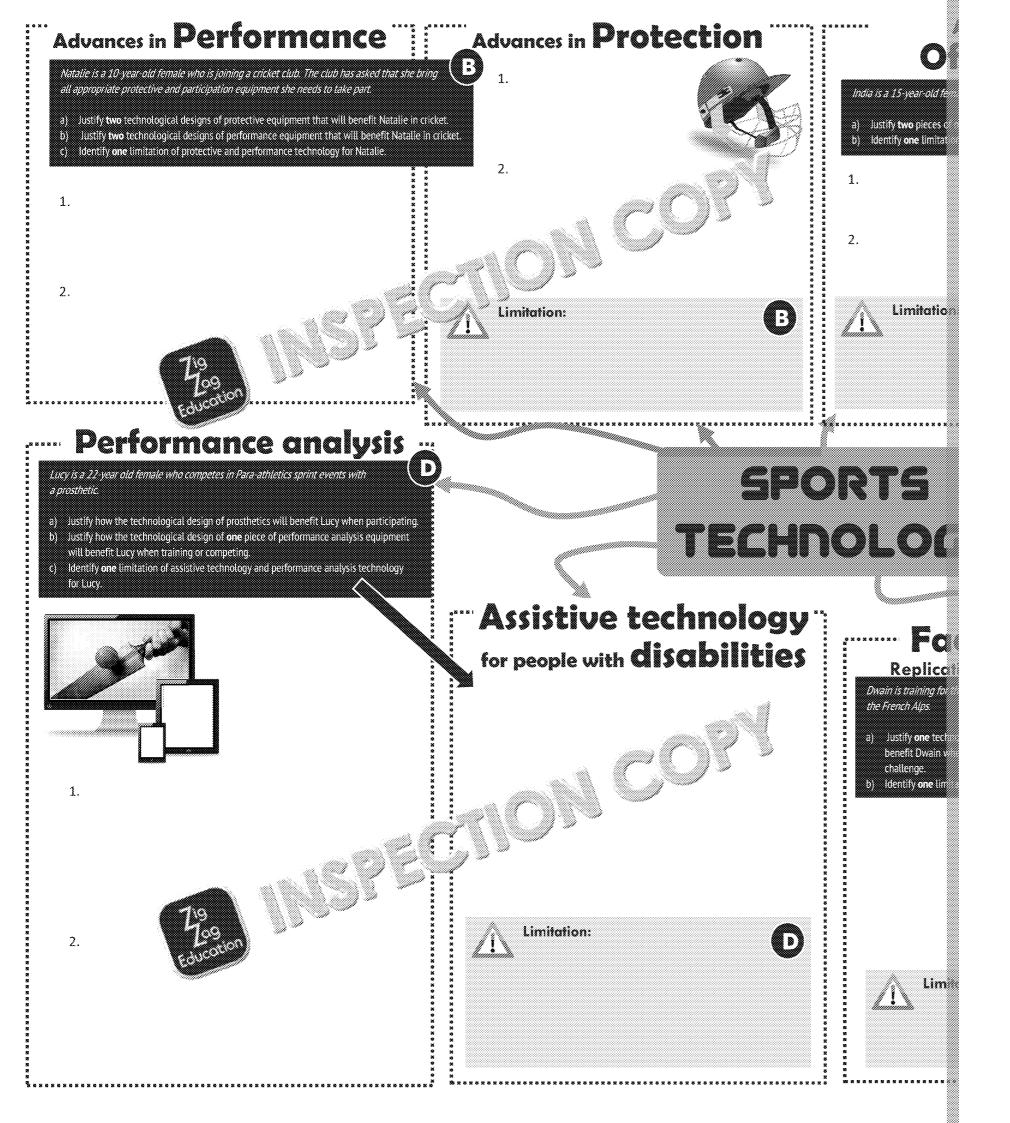
Many sports have regulations around the clothing that performers are allowed to wear and the equipment they are allowed to use in order to par require specific clothing to stand out from performers, and also equipment to apply their authority. Many physical activities will also have guideline



# India is a 15-year-old female who has taken up officiating in rugby. Justify two pieces of equipment that India will need to officiate a game of rugby. 1.









# Planning a Warm-up

The warm-up is an essential aspect of any sport or activity session. Having a good understanding of the different components and types of activity involved, as well as how the body's systems respond to these activities, will help the participant get the best out affine session.

## Warm-up

Helps to prepare the body both physically and mentally for the same

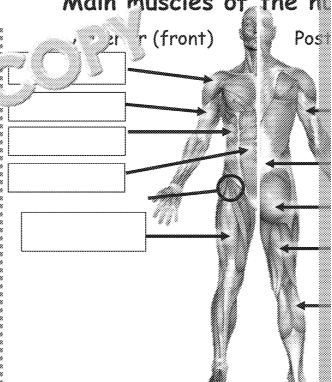
fivit ja jac. A warm-up should involve **three** key components:

List two responses of the cardiorespiratory and musculoskeletal systems to each component of the warm-up.

Below is a summary of the responses of the cardiorespiratory and musculoskeletal systems to the different components of the warm-up.

	Cardiorespiratory responses	Musculoskeleta! -n .
Pulse raiser	1. 2.	
Mobiliser	1. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	1. 2.
Preparation stretches	1. <b>2</b> .	1. 2.

## Main muscles of the h





# Adapting and Delivering a Wa

The planning of a warm-up should consider how it is to be tailored to suit the types of participants, as well as the sport or activity. The delivery concerns the organisational aspects of activities, including demonstrations and the support provided to participants throughout.

# Adapting a warm-up

The types of participants and the sport or activity will determine the activities the sport of a warm-up will decide to choose, and how these activities will be adapted to suit " Thick is cific needs. Take a look at the different ways a warm-up can be adapted to suit the property of the property of the property of the different ways a warm-up can be adapted to suit the property of the property of the property of the different ways a warm-up can be adapted to suit the property of the property of the property of the different ways a warm-up can be adapted to suit the property of the propert

Intensity



we or high-impact options





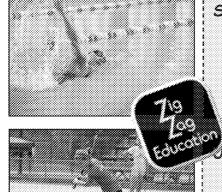
Timing



Using one of your warm-up plans for the categories of participants on page 9, describe three ways you vould adapt a warm-up if you were to deliver:

- The same activity with a different category
- A different activity

## FOR DIFFERENT SPORTS AND ACTIVITIES



Specific movements

se of specific equipment

Lecific muscles

There are different &

effective training

Timings

**Demonstrations** 

SUP

Describe how you consider supporti in each of the foll

Observation

