Торіс	Rationale	Knowledge acquisition	Key vocabulary	Skills and enrichment
Unit 1: Fitness for Sport and Exercise	All sports performers want to be the best they can be. To reach optimal levels requires years of dedication to training, including successfully overcoming any barriers (such as injury) which might prevent a performer from achieving their goals. Working closely with their teacher, the student will gain an appreciation and understanding of the different fitness components, training principles, training methods and fitness tests which can be incorporated into	Know about the components of fitness and the principles of training Explore different fitness training methods Investigate fitness testing to determine fitness levels	Components of physical fitness: aerobic endurance, muscular endurance, flexibility, speed, muscular strength, body composition Components of skill-related fitness: agility, balance, coordination, power, reaction time Exercise intensity and how it can be determined: intensity, target zones and training thresholds, BORG RPE scale The basic principles of training: (FITT) Additional principles of training: progressive overload, specificity, individual differences/needs, adaptation, reversibility, variation, rest and recovery Requirements of Training Methods: safety, equipment, advantages/ disadvantages Training Methods: Flexibility (static, ballistic, Proprioceptive Neuromuscular Facilitation- PNF, Strength, muscular endurance and power training (circuit, free weights, plyometrics), Aerobic Endurance Training (continuous, fartlek, interval, circuit), Speed Training (hollow sprints, acceleration sprints, interval training) Fitness test methods for components of fitness: Flexibility (sit and reach), Strength (grip dynamometer), Aerobic Endurance (multi-stage fitness test, forestry step test, definition of VO2 max), Speed and Agility (35m sprint test and Illinois Agility run), Anaerobic power (Vertical Test Jump), Muscular Endurance (One-minute press up, one-minute sit-up), Body composition (Body Mass Index- BMI, Bioelectrical Impedance Analysis- BIA, Skinfold testing via the Jackson-Pollock nomogram method for prediction of percent body fat Importance of fitness testing to sports performers and coaches: Baseline data, monitoring/ improving performance, design training programmes, goal setting Requirements for administration of each fitness test: pre-test procedures (informed consent, calibration of equipment), knowledge of published standard test methods and equipment/	Fitness for sport and exercise is core to the programme of study. This unit underpins, the other units for sport. In learning aim A the students will cover the components of physical and skill- related fitness and the principles of training. Learning aim B explores different fitness training methods for developing components of fitness. For learning aim C the students will gain knowledge and skills in undertaking and administering fitness tests.

	regime to further enhance and improve their sports performance		resources required, purpose of each fitness test, accurate measurement and recording of test results, basic processing of test results for interpretation (using published data tables and appropriate units for comparison purposes), safely select appropriate test(s) for given purposes, situations and/or participants, reliability, validity and practicality, advantages and disadvantages of fitness test methods <b>Interpretation of fitness test results:</b> compare fitness test results to normative published data, compare fitness test results to those of peers, draw conclusions from data results, analyse and evaluate test results, suggest and justify appropriate recommendations for improvements to fitness for a given purpose/situation/participant, justify appropriate fitness training methods that could be used for a given purpose/situation/participant.	
Unit 2: Practical Performance in Sport	Participation in sport continues to grow, as people become more aware of the benefits of physical activity. Engaging young people through sport is a key political agenda, both because current national health statistics show that obesity in young children is rapidly increasing and also because we strive for excellence and	Understand the rules, regulations and scoring systems for selected sports Practically demonstrate skills, techniques and tactics in selected sports Be able to review sports performance	<ul> <li>Rules (or laws)</li> <li>Rules (or laws) as regulated by the national or international governing body for the sport. For example, the Fédération Internationale de Football Association (FIFA) laws of football, the International Rugby Board (IRB) laws of rugby, the Badminton World Federation (BWF) rules of badminton, and the International Orienteering Federation (IOF) rules of orienteering</li> <li>Regulations</li> <li>For example, relating to players and participants, equipment, playing surface, facilities, health and safety, time, officials (referee, umpire, judge, starter, timekeeper)</li> <li>Scoring systems</li> <li>For example, the method of scoring goals or points, method and/or requirements of victory.</li> <li>Application of the rules/laws of sports in different situations</li> <li>For example, when a goal is scored when a player is in an offside position in football, leg before wicket (lbw) in cricket, charging in lead up to scoring in basketball, forward pass resulting in a try in rugby.</li> <li>Sports</li> <li>For example, cricket, hockey, netball, rounders, volleyball, wheelchair basketball, golf, trampolining, table tennis, archery, judo, cross-country</li> </ul>	In learning aim A, students will investigate the rules and regulations of a sport and apply the knowledge gained through observing officials in action. They might also decide to take part in national governing body coaching and leadership awards to reinforce and extend their knowledge and qualifications in this area.

success at major sporting events.	running, boccia, fencing, orienteering, skiing, canoeing, sailing, mountain biking.	For learning aim B, they will take part
This unit focuses	Roles of officials	in a variety of
on developing	For example, the roles of umpires, referees, referees' assistants, judges,	sports. These may
and improving	timekeeper, starters, table officials, third umpire, fourth official.	be sports in which
students own	Responsibilities of officials	they excel or have
practical sports	For example, appearance, equipment, fitness, qualifications, interpretation	a particular
performance.	and application of rules, control of players, accountability to spectators,	interest. They are
This is achieved	health and safety (equipment, facilities, players), fair play, use of	required to
through their	technology, effective communication (voice, whistle, signals)	demonstrate the
active	Components of physical fitness	skills, techniques
participation in	The application of the components of fitness to a chosen sport.	and tactics within
practical activities	<ul> <li>aerobic endurance: (the ability of the cardiorespiratory system to work</li> </ul>	each of the sports
and reflection on	efficiently, supplying nutrients and oxygen to working muscles during	selected for
their own	sustained physical activity)	assessment.
performance and	muscular endurance: (the ability of the muscular system to work	
that of other	efficiently, where a muscle can continue contracting over a period of time	For learning aim C,
sports	against a light to moderate fixed resistance load)	they will review
performers.	• flexibility: (having an adequate range of motion in all joints of the body;	their performance
	the ability to move a joint fluidly through its complete range of movement)	in the sports in
	• speed: (distance divided by the time taken. Speed is measured in metres	which you
	per second (m/s). The faster an athlete runs over a given distance, the	participated. This review will look at
	greater their speed)	
	• muscular strength: (the maximum force (in kg or N) that can be generated by a muscle or muscle group)	the strengths and areas for
	<ul> <li>body composition: (the relative ratio of fat mass to fat-free mass (vital</li> </ul>	development within
	organs, muscle, bone) in the body)	their own
	• The application of the components of fitness to a chosen sport.	performance. They
	<ul> <li>For example, football requires foot speed and muscular strength to allow</li> </ul>	will also be
	the player to reach the ball before their opponent and hold them off the ball	encouraged to
	to keep possession.	consider plans to
	<ul> <li>For example, long distance running requires good aerobic endurance to</li> </ul>	develop their
	supply oxygen and nutrients to working muscles during a race as well as a	performance within
	low body composition to ensure fat mass is low so that the distance can be	the selected sports.
	covered more easily.	

Technical demands         These are the skills and techniques required. For example, continuous skills (such as running), serial skills (such as high jump), discrete skills (such as a goff swing), movement, use of equipment, communication, other demands specific to sport.         Tactical demands         Decision making and strategies to overcome an opponent, including using personal strengths.         Use of relevant tactics, e.g. defending and attacking, choice and use of shots or strokes, variation, conditions, use of space, other demands specific to sport.         Safe and appropriate participation         • The demonstration of skills, techniques and tactics within a controlled environment, for example no competition, drills, set plays.         • Adhere to 'rules', health and safety guidelines, and consider appropriate risk management strategies in physical activity and sport.         Relevant skills and techniques         The skills and techniques relevant to the selected sport and practice.         Relevant tactics         The tactics relevant to the selected sport and practice/situation         Effective use of skills and techniques and tactics         The use of skills and techniques making foot, connection with the ball.         Effective use of skills techniques and tactics         The use of skills and techniques and tactics         The actics when under pressure from opponents.         Isolated practices         The skills and techniques making and selection of skills, techniques and tactics when under pressu		
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For example, small-sided games, a limited number of touches, a set number		
of defenders or attackers.	of defenders or attackers.	

			<ul> <li>Competitive situations</li> <li>Full-sided games.</li> <li>Appropriate opposition.</li> <li>With match officials.</li> <li>Personal performance that contributes to relevant use of skills, techniques and tactics in relation to: <ul> <li>communication</li> <li>individual role</li> <li>responding to team mates and/or opposition.</li> </ul> </li> <li>Observation checklist <ul> <li>For example, to review performance in selected sports using video analysis:</li> <li>components of physical fitness</li> <li>technical demands of sport (skills and techniques)</li> <li>production of a checklist suitable for self-analysis of performance in selected sports</li> <li>tactical demands of sport.</li> </ul> </li> <li>Review performance <ul> <li>Strengths and areas for improvement: components of fitness, skills and techniques, specific to the sport and non-specific, e.g. fitness.</li> <li>Self-analysis: completion of observation checklist, e.g. use of video.</li> <li>Strengths and areas for improvement: tactics, the effectiveness of decision making.</li> <li>Activities to improve performance (short-term and long-term goals): e.g.</li> </ul> </li> </ul>	
			• Activities to improve performance (short-term and long-term goals): e.g. training programmes, use of technology, attending courses, where to seek help and advice.	
Unit 3: Applying the Principles of Personal Training	This unit is all about the student, the individual performer, training to improve and enhance personal fitness for a sport	Design a personal fitness training programme Know about the musculoskeletal system and cardiorespiratory system and the	<ul> <li>Personal information to aid training programme design</li> <li>Personal goals: specific, measurable, achievable, realistic, time-related, evaluated, recognized/rewarded (SMARTER): <ul> <li>short-term goals (set over a short period of time, between one day and one month)</li> <li>medium-term goals (should give progressive support towards achievement of long-term goals)</li> </ul> </li> </ul>	This unit is synoptic and designed so that the student thinks about all of their learning from across the qualification, and

of their choice.	effects on the	a long term goals (what they want to achieve in the long term, and the best	use it to respond to
They must select	body during	<ul> <li>long-term goals (what they want to achieve in the long term, and the best</li> </ul>	use it to respond to the assessment.
one component of	fitness training	way of doing this).	the assessment.
fitness and one	Implement a	• Aims (details of what they would like to achieve for the selected	Learning aim A
method of		activity/sport).	takes the students
	self-designed	• Objectives (how they intend to meet their aims using an appropriate	
training that is	personal fitness	component of fitness and method of training).	through the stages
most appropriate,	training	Lifestyle and physical activity history.	of designing a
beneficial and	programme to	• § Medical history questionnaire.	personal fitness
engaging to	achieve own	• § Attitudes, the mind and personal motivation for training.	training
improve their	goals and	Programme design	programme, where
fitness for their	objectives	• Use personal information to aid training programme design.	they can select a
chosen	Review a	• Selection of appropriate training method/activity for improving/maintaining	component of
activity/sport.	personal fitness	the selected component of fitness, e.g. flexibility, strength, muscular	fitness and an
This may mean	training	endurance and power, aerobic endurance, speed.	appropriate method
training with a	programme	• Safe design: appropriate method/selection of an appropriate combination	of training to
group of friends		of activities to meet personal training needs, goals, aims and objectives.	improve or
in a local park, or		• § Application of the basic principles of training - Frequency, Intensity,	maintain their
using a personal		Time and Type (FITT).	fitness levels safely
fitness training		<ul> <li>§ Application of the additional principles of training.</li> </ul>	for their chosen
programme at a		• Selection of appropriate activities for warm-up (light, continuous physical	activity/sport.
local sports club		activity to prepare the body for exercise).	
or leisure centre.		• Selection of appropriate activities for cool down (light, continuous physical	For learning aim B,
Whatever the		activity to reduce heart rate, remove lactic acid and prevent blood pooling).	they will gain
setting, the		• § Creative design: consideration given to prevent/avoid barriers to training	awareness of the
design of the		occurring, ensuring exercise adherence is maintained and the programme is	musculoskeletal
training		enjoyable, for example including interesting, different exercise activities to	and
programme must		maintain motivation and commitment, and to prevent boredom.	cardiorespiratory
be tailored to		• § Intensity:	body systems and
meet their		$_{\odot}$ target zones and training thresholds (calculating and applying maximum	how they respond
personal training		heart rate (HR max) to training):	during the
goals, aspirations		$\circ$ HR max = 220 – age (years)	exercise.
and needs.		<ul> <li>60–85% HR max is the recommended training zone for cardiovascular</li> </ul>	
		health and fitness	In learning aim C,
		$\circ$ Borg Rating of Perceived Exertion (RPE) Scale (1970) (6–20) can be used	they will implement
		as a measure of exercise intensity	their personal

, the relationship between DPE and beart rate where DPE $\times 10 - 40$ (here)	fitness training
• the relationship between RPE and heart rate where RPE $\times$ 10 = HR (bpm).	fitness training
Musculoskeletal system	programme,
• Location of the major muscles: deltoid, biceps, triceps, pectoralis major,	maintaining a
latissimus dorsi, external obliques, gluteus maximus, quadriceps,	training diary.
hamstrings, gastrocnemius and tibialis anterior.	
• Location of the major bones: cranium, clavicle, scapula, ribs, sternum,	Finally, for learning
humerus, radius, ulna, pelvis, femur, patella, tibia, fibula,	aim D they will
• Structure and function of the synovial joints at the hip, shoulder, knee,	review their
elbow.	programme,
• Short-term effects of fitness training on the musculoskeletal system:	looking at
$_{\odot}$ the use of a warm-up and flexibility exercises to increase joint range of	strengths, areas for
movement	improvement and
$\circ$ § planning for progressive overload to encourage micro tears in muscle	suggesting
fibres	recommendations
Cardiorespiratory system	for future training
<ul> <li>Structures of the cardiovascular system: atria, ventricles, aorta, vena</li> </ul>	and performance.
cava, pulmonary artery, pulmonary vein.	
• Structures of the respiratory system: lungs, bronchi, bronchioles, alveoli,	
diaphragm.	
<ul> <li>Short-term effects of fitness training on the cardiorespiratory system:</li> </ul>	
$\circ~$ increased heart rate and breathing rate during fitness training activities to	
supply oxygen to working muscles	
$\circ~$ § increased build-up of lactic acid as a result of increased intensity in the	
main component.	
Safely implement a personal fitness training programme	
<ul> <li>Using an appropriate training method (e.g. taking part in planned</li> </ul>	
sessions), performing to the best of your ability, gaining agreement from	
coach/trainer for any missed sessions, understanding the importance of	
commitment.	
<ul> <li>Wearing correct training gear, safe and correct use of equipment,</li> </ul>	
implementation of correct technique, awareness of wider safety issues, e.g.	
personal safety if training outdoors.	
• § Taking full responsibility for completing and recording details for each	
training session.	
Training diary for each session recording	

• Date, time and location for training undertaken.	
<ul> <li>Aims and objectives for each session.</li> </ul>	
Session duration.	
<ul> <li>Type of training undertaken – selected method/activity.</li> </ul>	
• Programme details (FITT).	
Log of personal performance and achievements.	
Resources required, e.g. equipment.	
• The principles of progressive overload and details of how progressive	
overload has been achieved over the course of the programme.	
• Details of programme intensity using % HR max and RPE.	
Measures for success	
<ul> <li>Types of motivation (intrinsic and extrinsic)</li> </ul>	
Benefits of motivation and self-confidence to successfully complete a	
fitness training programme	
• Motivation for training, including details in the diary of personal feelings	
before, during and after each training session	
• Details of how the programme has been adapted to ensure continued	
commitment to training, for example using a variation of activities/training	
methods.	
• Achievement against personal aims, goals and objectives, for example how	
performance has been taken to a higher level.	

What makes the	Know the	Sports Leaders	For learning aim A,
winners of the top	attributes	For example, sports coaches, fitness instructors, school/college coaches,	students will be
leagues so	associated with	local club coaches, national club coaches, amateur coaches.	introduced to the
successful? Why	successful sports	Attributes	attributes required
did the winner of	leadership		to be a successful
the		<ul> <li>Advanced skills (activity structure, target setting, use of language,</li> </ul>	sports leader,
London Marathon	Undertake the	evaluation).	giving them
select the tactics	planning and		knowledge of the
to run the race in	leading of sports		skills, qualities and
that specific way?	activities		responsibilities
Many people			associated with
would suggest	Review the		success in sports
	planning and		leadership.
	5 .		
performer.	activities	For example, individual sports, team sports, fitness activities.	Learning aim B
However, others		Plan	enables them to
	winners of the top leagues so successful? Why did the winner of the London Marathon select the tactics to run the race in that specific way? Many people would suggest that it is down to the individual performer.	winners of the top leagues so successful? Why did the winner of theattributes associated with successful sports leadershipLondon Marathon select the tactics to run the race in that specific way? Many people would suggest that it is down to the individual performer.Undertake the planning and leading of sports activities	winners of the top leagues so successful? Why did the winner of theattributes associated with successful sports leadershipFor example, sports coaches, fitness instructors, school/college coaches, local club coaches, national club coaches, amateur coaches.London Marathon select the tactics to run the race in that specific way? Many people would suggest that it is down to the individual performer.Undertake the planning and leading of sports activitiesUndertake the planning and leading of sports activities• Skills (communication, organisation of equipment, knowledge). • Advanced skills (activity structure, target setting, use of language, evaluation). • Qualities (appearance, enthusiasm, confidence). • Additional qualities (leadership style, motivation, humour, personality). • Wider responsibilities • Core responsibilities (insurance, child protection, legal obligations, ethics and values, rules and regulations).Sports activities performer.Review the planning and leading of sports activities• Core responsibilities (insurance, child protection, legal obligations, ethics and values, rules and regulations).

I			
	c beyond the	<ul> <li>Participants, e.g. age, ability, gender, numbers, medical and specific</li> </ul>	consider the
	former and	needs.	planning and
cred	dit the	<ul> <li>Aims and objectives, e.g. target setting, expected outcomes.</li> </ul>	leadership
man	nagers or	<ul> <li>Resources, e.g. equipment, time, environment.</li> </ul>	requirements for
coad	ches.	• Warm-up.	delivering sports
In s	sport it is often	• Pulse raiser: activities that can be used to gradually increase the pulse	activities. They will
the	performer	rate.	be given the
who	receives all	• Mobilise: activities to mobilise the main joints of the body such as knees,	opportunity to
the	admiration	hips, shoulders, ankles and wrists.	develop their ability
and	acclaim for	Lead	and knowledge of
their	r	<ul> <li>Demonstration of attributes (skills, § advanced skills, attributes, §</li> </ul>	sports leadership
achi	ievements.	additional qualities).	through developing
How	vever, behind	Completion of core responsibilities.	knowledge of the
mos	st successes	Completion of wider responsibilities.	requirements of
ther	re is a sports	Measures of success	planning and target
lead	ler or coach,	• Coverage of planned components.	setting for sports
who	masterminds	Meeting set aims and objectives.	performers.
the	performance	Organised.	
of th	he highly	• Safe.	For learning aim C,
taler	nted sports	• Stretching (different types of stretches for the main muscles used in sports	they will evaluate
perf	former(s). It is	activity sessions – deltoids, triceps, erector spinae, obliques, quadriceps,	their own
ofte	en these	hamstrings, gastrocnemius).	effectiveness as a
lead	lers who make	<ul> <li>Main component/components of activity, e.g. skill introduction,</li> </ul>	sports leader within
the	difference.	development, conditioned game, final activity.	the session they
This	s unit	<ul> <li>Incorporate safe activities to minimise injury.</li> </ul>	planned and
intro	oduces the	Cool down.	delivered. They will
stud	dent to sports	<ul> <li>Pulse lowering: activities that gradually decrease in intensity.</li> </ul>	need to consider
lead	lership,	• Stretch: carry out maintenance and developmental stretches with the main	their strengths
enal	bling them to	muscles that were used in the activity session, including deltoids, biceps,	within the process
star	t on the	triceps, erector spinae, abdominals, obliques, hip flexors, gluteus maximus,	of sports leadership
	der of	quadriceps, hamstrings, gastrocnemius.	and plans for
lead	lership and	• Health and safety considerations: adhere to health and safety guidelines,	further developing
coad	ching, through	and consider appropriate risk management strategies.	their ability as a
deliv	vering	<ul> <li>Risk assessment: environmental and injury prevention.</li> </ul>	sports leader.
com	ponents of	Review	

sports sessions and whole activity sessions. They will be introduced to the basics of sports leadership and then will be required to plan, deliver and evaluate their ability to lead a sports activity session or component of a session.	<ul> <li>Feedback for review, e.g. from participants, supervisor, observers, self- analysis.</li> <li>Methods, e.g. questionnaires, comment cards, observation records, direct verbal feedback.</li> <li>Strengths and areas for improvement (demonstration of attributes, completion of responsibilities, e.g. planning, content, organisation, health and safety, achievements).</li> <li>Targets for development</li> <li>SMARTER targets (specific, measurable, achievable, realistic, time-related, exciting, recorded).</li> <li>Development plan: <ul> <li>aims and objectives</li> <li>goals</li> <li>SMARTER targets</li> <li>activities and opportunities, e.g. training, courses, qualifications</li> <li>possible barriers.</li> </ul> </li> </ul>	
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