



## Malbank PE Departmnet Quailty of Education Handbook- AQA GCSE





## **PE Curriculum Intent**

Our intent is to develop the holistic child through a broad, diverse and challenging curriculum that empowers students to recognise their strengths and take responsibility for their own personal growth. Through regular participation in physical activity pupils would be expected to develop character, confidence, resilience and physical literacy, enabling students to make informed choices for lifelong engagement in physical activity. Our curriculum is designed to ensure every child is very much at the centre of all that we do by providing opportunities for their holistic development. We very much see physical activity and school sport as the vehicle through which such skills should be nurtured.

## AQAGCSE PHYSICAL EDUCATION

## Key Stage 4 Examination Curriculum

Lesson	Paper 1 Topics	Head	Heart	Hand
		PHYSICAL TRAINING (FITNESS)		
1a	Relationship between health & fitness	Definitions of health and fitness. Decreased fitness because of ill health, ie poor health can result in an inability to train, lowers fitness.  Increased fitness despite ill health, ie unhealthy but able to train, increases fitness.	Inspire pupils' to show commitment to learning theory by making lessons as practical as possible.	Motivate pupils by combining theory content with practical lessons for all fitness tests.
1b-3	Components of fitness	Definitions of the following components of fitness:	Motivate pupils to learn new terminology and concepts through a practical context.  Nurture an environment of mutual respect within the class through whole class	Reinforce knowledge by completing protocol worksheets immediately after test.
1b-3	Linking components of fitness to sport	Understand and justify why the components of fitness (as stated above) may or may not be needed when performing certain physical activities and sports.	and partner discussions on examples of	
4	Fitness testing (reasons for) - how to collect data, quantitative & qualitative data	Reasons for fitness testing:  • to identify strengths and/or weaknesses in a performance/the success of a training programme  • to monitor improvement  • to show a starting level of fitness  • to inform training requirements  • to compare against norms of the group/ national averages  • to motivate/set goals  • to provide variety in a training programme.	relationship between health and fitness. Incorporate group tasks to build knowledge maps in mixed confidence groups.  Empathy- how	
5-7	Measuring components of fitness & data collection	Knowledge of the main procedures of the tests used to measure the following components of fitness:  • agility – Illinois Agility Test  • balance – Stork Stand Test  • cardiovascular endurance (aerobic power)	results of fitness tests can impact upon a player.	

		Head	Heart	Hand
		<ul> <li>Multi Stage Fitness Test</li> <li>coordination – Wall Toss Test</li> <li>flexibility – Sit and Reach Test</li> <li>muscular endurance – Sit-Up Bleep Test</li> <li>power/explosive strength (anaerobic power) – Vertical Jump Test</li> <li>reaction time – Ruler Drop Test</li> <li>maximal strength – One Rep Max Test</li> <li>speed – 30 Metre Sprint Test</li> <li>strength – Handgrip Dynamometer Test.</li> <li>Testing procedures refers to 'how each test is carried out' and includes reference to how the test is organised (when applicable) in relation to the following: <ul> <li>the facilities and the equipment needed to set it up</li> <li>the procedures that have to be followed – the tasks and the rules</li> <li>the measurements that are used to score the performance</li> <li>the way conclusions are drawn from the scores/results.</li> </ul> </li> <li>Evaluate whether or not these tests are relevant to performers in</li> </ul>	Ethically question through discussion why fitness tests are necessary.	
8a	Analysing and evaluating data	different sporting activities.  Understanding of how test scores are measured/recorded (eg in seconds, levels, centimetres, numbers). Definitions of the terms qualitative and quantitative, in relation to the collection of fitness testing data. Understanding that the quantitative data collected during fitness testing can be compared to national averages.		
8b	Limitations of fitness testing & suitability of tests for different sports	Limitations of fitness testing:  tests are often not sport specific/too general  they do not replicate movements of activity  they do not replicate competitive conditions required in sports  many do not use direct measuring/submaximal – therefore inaccurate/some  need motivation/some have questionable reliability  they must be carried out with the correct procedures to increase validity.		

		Head	Heart	Hand
		PHYSICAL TRAINING (TRAINING)		
9-10	Types/methods of training	Understand the distinctions between different types of training. Circuit training – consider space available, equipment available, number of circuit stations, work:rest ratio, the content/demand of the circuit can be altered in order to improve different components of fitness. Continuous training – sustained exercise at a constant rate (steady state) without rests, involving aerobic demand for a minimum of 20 minutes, eg running, swimming, rowing, cycling. Fartlek training – varying speed, terrain and work:recovery ratios. Interval training/high intensity interval training – periods of exercising hard, interspersed with periods of rest or low intensity exercise. Static stretching – a way to stretch to increase flexibility, held (isometric) for up to 30 seconds, using correct technique, advisable to avoid over stretching. Weight training – choice of weight/exercise depends on fitness aim, eg strength/power training or muscular endurance, the importance of safe practice/lifting technique, the need for spotters. Plyometric training – use of plyometric exercises, eg bounding, depth jumping, to increase power. Basic physiological understanding (eccentric contraction followed by larger concentric contraction). Any training (and practice) method must take account of the following:  • the training purpose(s), training thresholds/training targets/training zones (see calculating intensities below)  • rest/recovery.	Nurture an environment of mutual respect within the class through whole class and partner discussions on examples of relationship between sports and training types used.  Incorporate group tasks to build knowledge maps in mixed confidence groups.  Ethically look into over training effects through class discussion and case studies.  Case study analysis of high-altitude training and question its ethical effects?	Experience all the methods of training practically.  Group work on designing training programmes and circuits used for specific sports. Eg; design an appropriate circuit that could be used by a football player.  Pupils will calculate their own intensity heart rates and practically experience working to move between training zones.  Application of the principles of training to sporting examples.
11	Principles of training	Key principles of training.  SPORT to include:  • specificity  • progressive overload  • reversibility  • tedium.  Key principles of overload.  FITT to include:		

		Head	Heart	Hand
		<ul> <li>frequency</li> <li>intensity</li> <li>time</li> <li>type.</li> <li>Students should be taught the terms and what they mean.</li> </ul>		
12	Application of POT to methods of training	How the principles of training can be applied to bring about improvements in fitness.		
13	Calculating intensities to optimise training	Definition of training threshold. Calculate the aerobic/anaerobic training zone:  • calculate maximum heart rate (220 minus age)  • calculate aerobic training zone (60–80% of maximal heart rate)  • calculate anaerobic training zone (80–90% of maximal heart rate).  For circuit training, altering the time/rest/content of the circuit will determine the fitness aim.  How to calculate one repetition maximum (one rep max) as part of weight training and how to make use of one rep max, with reference to:  • strength/power training (high weight/low reps – above 70% of one rep max, approximately three sets of 4–8 reps) muscular endurance (low weight/high reps – below 70% of one rep max, approximately three sets of 12–15 reps).		
14	Preventing injury	The training type/intensity should match the training purpose (eg aerobic or anaerobic).  Where applicable, the following factors should be taken into account in order to prevent injury:  • a warm up should be completed  • over training should be avoided, eg appropriate weight  • appropriate clothing and footwear should be worn  • taping/bracing should be used as necessary  • hydration should be maintained  • stretches should not be overstretched or bounce  • technique used should be correct, eg lifting technique appropriate rest in between sessions to allow for recovery.		

		Head	Heart	Hand
15a	Specific training techniques – altitude training	<ul> <li>How high altitude training is carried out:</li> <li>train at high altitude</li> <li>there is less oxygen in the air and oxygen carrying capacity is reduced</li> <li>the body compensates by making more red blood cells to carry oxygen.</li> <li>Students should be taught to evaluate the benefits and the limitations of altitude training for different sports performers.</li> <li>Students do not need to be taught how to calculate intensities for altitude training.</li> </ul>		
15b	Seasonal aspects – periodization	Names of the three training seasons:  pre-season/preparation  competition/peak/playing season  post-season/transition.  An understanding of what each of the seasons entails (aims):  pre-season/preparation – general/aerobic fitness, specific fitness needs  competition/peak/playing season – maintain fitness levels, work on specific skills  post-season/transition – rest and light aerobic training to maintain a level of general fitness.  An understanding of the benefits of each season to the performer.  Students should be taught to apply and justify the characteristics of the seasonal aspects to different sporting activities.		
16	Warming up & cooling down	The constituent parts of warming up and cooling down.  Warming up should include:  • gradual pulse-raising activity  • stretching  • skill based practices/familiarisation  • mental preparation  • increase amount of oxygen to the working muscles.  Cooling down should include:  • maintaining elevated breathing and heart rate, eg walk, jog  • gradual reduction in intensity  • stretching.		

		Head	Heart	Hand
	APPLIE	Students should be taught to understand and justify appropriate elements of a warm up and a cool down for different sporting activities.  The benefits of warming up:  • effect on body temperature  • range of movement increased  • gradual increase of effort to full pace  • psychological preparation  • practice of movement skills through the whole range of movement  • injury prevention.  The benefits of cooling down:  • allowing the body to recover  • the removal of lactic acid/CO <sub>2</sub> /waste products  • prevent (delayed onset) muscle soreness/DOMS.	AS)	
17a	Bones	Identification of the bones at the following locations:  • head/neck – cranium and vertebrae  • shoulder – scapula and humerus  • chest – ribs and sternum  • elbow – humerus, radius and ulna  • hip – pelvis and femur  • knee – femur and tibia (students should also know that the patella sits in front of the knee joint)  ankle – tibia, fibula and talus.	Maintain students commitment and effort to learning by making lessons as practical as possible and utilise as many as possible different learning styles.  Group work to	In pairs work together to write as many bones as possible one per post it note. Then partner has to place post it note on partner in correct place. Put a time limit on it and compete against other pairs. Then swap over
17b	Structure of the skeleton	<ul> <li>How the skeletal system provides a framework for movement (in conjunction with the muscular system):</li> <li>the skeletal system allows movement at a joint</li> <li>the shape and type of the bones determine the amount of movement (short bones enable finer controlled movements/ long bones enable gross movement)</li> <li>flat bones for protection of vital organs</li> <li>the different joint types allow different types of movement the skeleton provides a point of attachment for muscles – when muscles contract they pull the bone.</li> </ul>	create a full body diagram labelling all joints, bones, muscles and annotate with bone types, functions, antagonistic muscles pairings and movements	and repeat.  Complete student work sheets and booklet on location of bones and muscles  In pairs work together to write as many muscles as

		Head	Heart	Hand
			possible at each	possible one per post it
17c	Function of the	• support	joint.	note. Then partner has to
	Skeleton	<ul> <li>protection of vital organs by flat bones</li> </ul>		place post it note on
		movement		partner in correct place. Put a time limit on it and
		<ul> <li>structural shape and points for attachment</li> </ul>		compete against other
		mineral storage		pairs. Then swap over
		blood cell production.		and repeat.
		Functions should be applied to performance in physical activity.		
18a	Types of freely	Identification of the types of joints with reference to the		
	moveable joint & movements	following:		
	& movements	elbow, knee and ankle – hinge joint     hinger hall and applied		
18b	Structure of	hip and shoulder – ball and socket.  Identification of the following structures of a synovial joint and		
100	synovial joints	how they help to prevent injury:		
	Syllovial joilles	synovial membrane		
		synovial fluid		
		• joint capsule		
		• bursae		
		• cartilage		
		• ligaments.		
19	Muscles	Identification of the following muscles within the body:	-	
		latissimus dorsi		
		• deltoid		
		• rotator cuffs		
		• pectorals		
		• biceps		
		• triceps		
		• abdominals		
		hip flexors		
		• gluteals		
		<ul> <li>hamstring group (not individual names)</li> </ul>		
		<ul> <li>quadriceps group (not individual names)</li> </ul>		
		gastrocnemius		
		• tibialis anterior.		
		Students should be taught the role of tendons		
		(attaching muscle to bones).		

		Head	Heart	Hand
20	How joints differ in design to allow certain types of movement at a joint	Understand that the following types of movement are linked to the appropriate joint type, which enables that movement to take place:  • flexion/extension at the shoulder, elbow, hip and knee • abduction/adduction at the shoulder • rotation of the shoulder • circumduction of the shoulder • plantar flexion/dorsiflexion at the ankle. Application to specific sporting actions is in movement analysis (page 16).		
21	How the major muscles and muscle groups of the body work antagonistically on the major joints of the skeleton to affect movement in physical activity at the major movable joints	With reference to the shoulder, elbow, hip, knee and ankle joints:  • major muscle groups operating at these joints (see above)  • the action of prime movers (agonists)/ antagonists  • bones located at the joint (see above)  • how these muscle groups work     isometrically and isotonically (concentric/ eccentric).  The difference between concentric and eccentric (isotonic) contractions.		
		MOVEMENT ANALYSIS		
22-23	Analysis of basic movement	Types of movement:     • flexion/extension at the shoulder, elbow, hip and knee     • abduction/adduction at the shoulder     • rotation of the shoulder     • circumduction of the shoulder	Enable students opportunity the feel/ experience the key concepts of movement to	In pairs work together to complete the zigzag booklets on movement analysis during a practical lesson. Use

		Head	Heart	Hand
		<ul> <li>plantar flexion/dorsiflexion at the ankle.</li> <li>This section links specific sporting actions to the types of movement. Applied anatomy and physiology (page 9) links the joint type to the type of movement only. This should include but not be limited to the following sporting actions:         <ul> <li>elbow action in push-ups/football throw in</li> <li>hip, knee and ankle action in running, kicking, standing vertical jump, basic squats</li> <li>shoulder action during cricket bowling (overarm rotation).</li> </ul> </li> </ul>	deepen their understanding. Incorporate competitive pair challenges on movement types and lever types.	guided discovery to allow students to learn together and make all equipment needed available.  Provide students opportunity to visually analyse planes and axes
24	Axes & planes of movement	Planes (frontal, transverse, sagittal) and axes (longitudinal, transverse, sagittal) should be related to sporting actions.  Teaching of these planes/axes should include but not be limited to the following sporting actions:  • front somersault/forward roll/running action  • 360° twist (ice skating spin)/discus thrower rotating in circle effort cartwheel.		of movement through jelly baby lesson.  Plane and Axes
25	First, second and third class lever systems within sporting examples	Identification of first, second and third class lever systems.  Basic drawings of the three classes of lever to illustrate the positioning of:  • fulcrum  • load (resistance)  • effort.  Draw linear versions of a lever, showing the positioning of the fulcrum, load/resistance and effort.  Students do not need to be taught to draw anatomical body parts but must be able to link the correct lever to a sporting movement or action.  Interpretation of sporting movements or actions which involve flexion or extension of the elbow and/or knee, and plantar or dorsi-flexion at the ankle.		
26	Mechanical advantage	Label the effort arm and load/resistance arm on the three classes of lever.  Mechanical advantage = effort arm ÷ weight (resistance) arm.  Labelling of the effort arm and resistance arm on lever drawings, and interpretation of the mechanical advantage of that lever.		

		Head	Heart	Hand
		CARDIORESPIRATORY SYSTEM		
27	The pathway of air	Identification of the pathway of air (limited to):	Empathise the significant degree of difficulty in learning anatomy without the opportunity to do practical hands on learning. Therefore, strive to make	Utilise diagram and model making to engage learners and make content as visual as possible.
28	Mechanics of breathing	Inhaling (at rest) with reference to the roles of the:  • intercostals  • rib cage  • diaphragm.  Exhaling (at rest) with reference to the roles of the:  • intercostals  • rib cage  • diaphragm.  Lungs can expand more during exercise (inspiration) due to the use of pectorals and sternocleidomastoid. During exercise (expiration), the rib cage is pulled down quicker to force air out quicker due to use of the abdominal muscles.  Changes in air pressure cause the inhalation and exhalation.	learning as visual as possible with the graphic details of human anatomy. Utilise computer graphics, YouTube and animations.  Contextualise learning of anatomy through sporting	
29	Interpretation of a spirometer trace	Identification of the following volumes on a spirometer trace and an understanding of how these may change from rest to exercise:  • tidal volume  • expiratory reserve volume • inspiratory reserve volume  • residual volume.  Interpretation and explanation of a spirometer trace (and continue a trace on paper) to reflect the difference in a trace between rest and the onset of exercise.	scenarios and link to effect upon performance where possible to allow pupils ability to relate to content. Eg if I train regularly my heart muscle can grow, become	
30	Gaseous exchange	Gas exchange at the alveoli – features that assist in gaseous exchange:  • large surface area of alveoli • moist thin walls (one cell thick) • short distance for diffusion (short diffusion pathway) • lots of capillaries • large blood supply	stronger and therefore is required to beat less to pump blood around the body to meet its demands and therefore my resting	

		Head	Heart	Hand
		movement of gas from high concentration to low concentration.  Oxygen combines with haemoglobin in the red blood cells to form oxyhaemoglobin. Students should also know that haemoglobin can carry carbon dioxide.	heart rate will be lower.	
31a	Structure of the heart	Structure of the heart:     • atria (left and right atria)     • ventricles (left and right ventricles).		
31b	The cardiac cycle	The order of the cardiac cycle, including diastole (filling) and systole (ejection) of the chambers. This starts from a specified chamber of the heart, eg the cardiac cycle starting at the right ventricle.  Valve names are not required but students should be taught that valves open due to pressure and close to prevent backflow.		
31c	Pathway of blood	Pathway of the blood:		
32	Cardiac output, stroke volume and heart rate	Cardiac output, stroke volume and heart rate, and the relationship between them. Cardiac output (Q) = stroke volume x heart rate. Students should be taught how to interpret heart rate graphs, including an anticipatory rise, and changes in intensity.		
33	Blood vessels & redistribution of blood	Structure of arteries, capillaries and veins:     • size/diameter     • wall thickness     • valves in veins. How the structure of each blood vessel relates to the function:     • carrying oxygenated/deoxygenated blood to/from the heart		

		Head	Heart	Hand
		gas exchange     blood pressure     redistribution of blood during exercise (vasoconstriction and vasodilation).  Students should be taught the names of the arteries and the veins associated with blood entering and leaving the heart.  AEROBIC AND ANAEROBIC EXERCISE		
34a	Aerobic & anaerobic	Head	Heart	Hand
34b	EPOC / Oxygen debt	<ul> <li>anaerobic exercise.</li> <li>Summary of aerobic exercise (glucose + oxygen → energy + carbon dioxide + water).</li> <li>Summary of anaerobic exercise (glucose → energy + lactic acid).</li> <li>Link practical examples of sporting situations to aerobic or anaerobic exercise.</li> <li>Identification of the duration and/or intensity of a physical activity in order to identify and justify why it would be aerobic or anaerobic, eg marathon (aerobic), sprint (anaerobic).</li> <li>Definition of the term EPOC (oxygen debt).</li> <li>An understanding that EPOC (oxygen debt) is caused by anaerobic exercise (producing lactic acid) and requires the performer to maintain increased breathing rate after exercise to repay the debt.</li> </ul>	sports and the exercise type.  Empathise why athletes experience sacrifices in order to maximise their training through class discussions.	understand where energy comes from.  Use youtube content to explore athlete's training programme and sacrifices.
34c	Recovery & DOMS	The following methods to recover from exercise, including the reasons for their use:  • cool down – maintain elevated breathing rate/heart rate (blood flow), stretching, removal of lactic acid  • manipulation of diet – rehydration, carbohydrates for energy  • ice baths/massage – prevention of delayed onset muscle soreness (DOMS).  Students should be taught to evaluate the use of these methods, justifying their relevance to different sporting activities.		
35a	Immediate effects of	<ul><li>hot/sweaty/red skin</li><li>increase in depth and frequency of breathing</li></ul>		

		Head	Heart	Hand
	exercise (during exercise	increased heart rate.		
35b	Short-term effects of exercise (up to 36 hours after exercise)	<ul> <li>tiredness/fatigue</li> <li>light headedness</li> <li>nausea         aching/delayed onset muscle soreness (DOMS)/cramp.</li> </ul>		
36	Long-term effects of exercise (months and years of exercising)	<ul> <li>body shape may change</li> <li>improvements in specific components of fitness</li> <li>build muscle strength</li> <li>improve muscular endurance</li> <li>improve speed</li> <li>improve suppleness</li> <li>build cardio vascular endurance</li> <li>improve stamina</li> <li>increase in the size of the heart (hypertrophy)</li> <li>lower resting heart rate (bradycardia).</li> <li>Students should be taught the components of fitness to understand the long term effects of exercise.</li> </ul>		

Lesson	Paper 2 Topics	Head	Heart	Hand
Lesson	Health, fitness & well-being	Reasons for participation in physical activity, exercise and sport, and how performance in physical activity/sport can increase health, wellbeing and fitness.  Physical health and wellbeing:  improves heart function  improves efficiency of the body systems  reduces the risk of some illness able to do everyday tasks  to avoid obesity.  Mental health and wellbeing:  reduces stress/tension  release of feel good hormones (serotonin)  able to control emotions.  Social health and wellbeing:	Awareness of Self; reflect on their own physical activity and sport engagement and differentiate between the two.  Discuss the advantages and disadvantages of different body types and their relationship to certain sports.	Write a personal reflection of the two types of activity affected them physically and emotionally.  Investigate the abnormal famous athletes whose body type goes against the norm for that sport.  Look into the marketing and
		Social health and wellbeing:	•	
	Sedentary lifestyle	<ul> <li>improves fitness</li> <li>reduces the chances of injury</li> <li>can aid in the physical ability to work, eg on your feet all day/manual labour.</li> </ul> Definitions of sedentary and lifestyle.	Analysis of personal diet before after and during sport or physical activity.	
		Possible consequences of a sedentary lifestyle: <ul><li>weight gain/obesity</li><li>heart disease</li></ul>	אווייסוניםו מכנוייוניץ.	

	Head	Heart	Hand
	<ul> <li>hypertension</li> <li>diabetes</li> <li>poor sleep</li> <li>poor self-esteem</li> <li>lethargy.</li> </ul>		
Obesity	Definition of obesity. Obesity and how it may affect performance in physical activity and sport:  Imits stamina/cardiovascular endurance Imits flexibility Imits agility Imits speed/power. Causes ill health (physical): cancer heart disease/heart attacks diabetes high cholesterol. Causes ill health (mental): depression Ioss of confidence. Causes ill health (social): inability to socialise inability to leave home.		
Somatotypes	Definitions of the following body types:		

	Head	Heart	Hand
Energy use	Energy is measured in calories (Kcal) and is obtained from the food we eat.		
	The average adult male requires 2,500 Kcal/day and the average adult female requires 2,000 Kcal/day but this is dependent upon:		
	<ul><li>age</li><li>gender</li><li>height</li></ul>		
	energy expenditure (exercise).		
Nutrition & a balanced diet	There is no single food that contains all the nutrients the body needs.  A balanced diet contains lots of different types of food to provide the suitable nutrients, vitamins and minerals required.  The reasons for a balanced diet:  • unused energy is stored as fat, which could cause obesity (particularly saturated fat)  • suitable energy can be available for activity  • the body needs nutrients for energy,		
	growth and hydration.  A balanced diet contains 55–60% carbohydrate, 25–30% fat, 15–20% protein.  Carbohydrates are the main and preferred energy source for all types of exercise, of all intensities. Fat is also an energy source. It provides more energy than carbohydrates but only at low intensity.  Protein is for growth and repair of muscle tissue. Vitamins and minerals are for maintaining the efficient working of the body systems and general health.		

		Head	Heart	Hand
	er balance & ration	Students do not need to be taught about specific vitamins and minerals.  Definition of dehydration. Water balance (hydration) prevents dehydration. Dehydration results in:  • blood thickening (increased viscosity), which slows blood flow  • increases in heart rate/heart has to work harder/irregular heart rate (rhythm)  • increase in body temperature/overheat  • slowing of reactions/increased reaction time/poorer decisions  • muscle fatigue/cramps. Students should be taught to understand and evaluate the consequences of dehydration to performance in different sporting activities.		
		SPORTS PSYCHOLOGY		
Skill	I & ability	Definitions of skill and ability.	Analyse	Practically
Clas skill	ssifications of	Basic definition of the following skill classifications:  • basic/complex  • open/closed  • self-paced/externally paced  • gross/fine.	guidance by working in pairs to give and receive feedback and analyse its effectiveness.	experience a range of skills through indoor sports such as basketball, badminton, table tennis and volleyball

	Head	Heart	Hand
	Students should be taught to choose and justify the appropriate classifications in relation to sporting examples.	Analysis of personal experience of	to fully understand classification of skill.
Goals & SMART targets	Basic definitions of the following types of goals: <ul> <li>performance goals (personal performance/no social comparison)</li> <li>outcome goals (winning/result).</li> </ul> <li>Appropriate performance and/or outcome targets for sporting examples.     <ul> <li>Performance and outcome goals can be combined. However, it is generally accepted that outcome goals should be avoided as they rely on factors that cannot be controlled, eg other performers.</li> </ul> </li> <li>Beginners prefer to avoid outcome goals because failure can demotivate/winning may be an unrealistic goal.</li>	experience of arousal in sport and its positive and negative effects.  Look into over arousal and how it impacted upon their personal performance and teams overall performance.	While practicing skills give pupils opportunities to analyse how different types/styles of feedback improves their performance and makes them feel emotionally.  Case study on famous examples of over arousal and aggression in sport.  Make it as current as possible so pupils
The use of SMART targets to improve and/or optimise performance	<ul> <li>SMART targets of goal setting are:</li> <li>specific</li> <li>measureable</li> <li>accepted</li> <li>realistic</li> <li>time bound.</li> </ul>		may have heard in the news.
Basic information processing model	The role of each stage (input, decision making, output and feedback) of the model. Input – information from the display (senses), selective attention. Decision making – selection of appropriate response from memory. The role of long term and short term memory. Output – information sent to muscles to carry out the response.		

	Head	Heart	Hand
	Feedback – received via self (intrinsic) and/or others (extrinsic).  Draw (in a box format) and/or explain the stages of a basic model of information processing.  Students should be taught to apply the basic information processing model to skills from sporting examples.		
Guidance	Evaluation of the use of the following types of guidance with specific links to:  • visual (seeing)  • verbal (hearing)  • manual (assist movement – physical)  • mechanical (use of objects/aids).  Students need to be taught to be able to choose and justify which types of guidance are appropriate for beginners and/or elite level performers. This should include examples of how the guidance can be given, eg visual via demonstration.		
Identify examples of, and evaluate, the effectiveness of the use of types of feedback, with reference to beginners and elite level performers	Evaluation of the use of the following types of feedback with specific links to beginners and to elite level performers:		
Arousal & inverted U theory	Definition of arousal.		

	Head	Heart	Hand
	The shape of the 'inverted-U' placed appropriately in a graph depicting y axis (performance level – low to high) and x axis (arousal level – low to high).  Students should be taught to draw an inverted U graph with both x and y axis appropriately labelled.  Describe the inverted-U graph.  The relationship between arousal level and performance level, eg when under aroused, performance level is low/under or over arousal causing low performance levels.  Link appropriate arousal level (high/low) to gross/fine skills in sporting actions.		
	Link skills (not sports) to an appropriate arousal level, eg a tackle in rugby will need a high arousal level.  Knowledge of the following stress management techniques:		
	<ul><li>deep breathing</li><li>mental rehearsal/visualisation/imagery</li><li>positive self talk.</li></ul>		
	Students should be taught to explain how these techniques are carried out, using sporting examples.		
Aggression	Definition of direct and indirect aggression. Students should be taught to know the meaning of the terms direct and indirect aggression, and be able to suggest examples of direct/indirect aggression in sport.		

	Head	Heart	Hand
Personality –	Characteristics of an introvert:		
introvert &	• shy/quiet		
extrovert	thoughtful		
	<ul> <li>enjoy being on their own.</li> </ul>		
	Tend to play individual sports when:		
	<ul> <li>concentration/precision (fine skill) is</li> </ul>		
	required		
	<ul> <li>low arousal is required.</li> </ul>		
	Characteristics of an extrovert:		
	<ul> <li>enjoy interaction with others/sociable/</li> </ul>		
	aroused by others		
	enthusiastic/talkative		
	<ul> <li>prone to boredom when isolated/by</li> </ul>		
	themselves.		
	Tend to play team sports when:		
	there is a fast pace		
	concentration may need to be low		
	gross skills are used.		
Motivation –	Intrinsic is from within – for		
intrinsic &	pride/selfsatisfaction/personal achievement.		
extrinsic	Extrinsic is:		
	from another source/person		
	tangible – certificates/trophies, medals		
	intangible – praise/feedback/applause.		
	Students should be taught to explain appropriate		
	examples of intrinsic and extrinsic motivation		
	linked to sporting examples.		
	Intrinsic is generally deemed more effective.		
	Overuse of extrinsic can undermine the strength		
	of intrinsic.		
	Performer can become reliant on extrinsic.		

	Head	Heart	Hand
	Intrinsic is more likely to lead to continued effort and participation.  Extrinsic rewards may result in feelings of pride/self-satisfaction.		
	SOCIO-CULTURAL INFLUENCES		
Social groups	Engagement patterns in physical activity and sport can differ between different social groups. Understand factors that contribute to engagement patterns in the following social groups:  • gender  • race/religion/culture  • age  • family/friends/peers  • disability.  Students should be taught to make justifiable links between the following factors and their relevance to engagement patterns of the groups above:  • attitudes  • role models	Personal and peer reflection and analysis of barriers to physical activity and sport.  Nurture a respectful environment and help pupils understand that just because it is not a factor for them does not	Make contexts as current as possible; Draw from pupils experience and from news articles.  Use of real news video to capture pupils' interest and maintain motivation and commitment towards learning.

	Head	Heart	Hand
	<ul> <li>accessibility (to facilities/clubs/activities)</li> <li>media coverage</li> <li>sexism/stereotyping</li> <li>culture/religion/religious festivals</li> <li>family commitments</li> <li>available leisure time</li> <li>familiarity</li> <li>education</li> <li>socio-economic factors/disposable income</li> <li>adaptability/inclusiveness.</li> </ul>	mean is not significant for them. Most pupils in gcse pe are engaged in sport and like it.  When exploring all the sub topics remind pupils of respectful	For PED's Netflix "Icarus" documentary.  Investigations and extended research pieces of work allow students to deep dive into the topic and explore it fully.
Commercialisation	Definition of commercialisation.  The relationship between sport, sponsorship and the media.	attitudes to those who have a different opinion to theirs.	
Sponsorship	Definitions of sponsorship and the media.  Types of sponsorship:      financial     clothing and equipment, including footwear     facilities.  Types of media:     television     radio     the press     the internet social media.	Support students who may be less informed about sub topics and inform students who have experience/ awareness of them that many can lead to	
Media	The positive and the negative impacts of commercialised activity (sponsorship and the media) on the following:	criminal actions and are breaking the law not only just the rules of the sport.	

	Head	Heart	Hand
	audience/spectator		
	• sponsor/company.		
	Students should be taught to justify why the		
	impact is positive and/or negative.		
Impact of	The positive and the negative impacts of		
technology	technology on the following:		
	performer		
	• sport		
	• official		
	audience/spectator		
	• sponsor/company.		
	Students should be taught to justify why the		
	impact is positive and/or negative.		
	Teaching should make students aware of		
	examples of technology used in sport (eg		
	Hawkeye, Television Match Official). However, the		
	focus should be on technology generically,		
	not on specific types of technology (eg Hawkeye,		
	Television Match Official).		
Prohibited	Categories of prohibited substances, including		
substances	the basic positive effects and negative side		
	effects:		
	stimulants		
	narcotic analgesics		
	anabolic agents		
	peptide hormones (EPO)		
	diuretics.		
Prohibited	How blood doping occurs and the effects/side		
methods	effects of doing it.		
	Blood doping involves the removal of blood a few		
	weeks prior to competition. The blood is frozen		
	and re-injected just before competition.		

		Head	Heart	Hand
	leads able perfo Side	ents should be taught how blood doping to increased red blood cell count and be to evaluate which types of sporting ormers this could benefit.  effects can be: thickening of blood (viscosity) potential infection		
		potential for heart attack blism (blockage of vessel).		
Restrict	ed drugs Beta	blockers are taken to: reduce heart rate, muscle tension and blood pressure		
	Side	reduce the effects of adrenaline improve fine control/preciseness. effects can lead to:		
	•	nausea weakness heart problems.		
		blockers should be prescribed by a medical essional.		
PEDs	Narce traini Anab Diure Pepti	olic agents – muscle mass etics – lose weight de hormones – oxygen carrying capacity		
	Beta Stude which PEDs	d doping – oxygen carrying capacity blockers – for fine motor control ents should be taught to understand in h sports performers may decide to use s, with examples. ntages include:		

		Head	Heart	Hand
		<ul> <li>increased chances of success</li> </ul>		
		• fame		
		• wealth		
		• level playing field.		
		Disadvantages include:  • cheating/immoral		
		associated health risks		
		• fines		
		• bans		
		<ul> <li>reputational damage.</li> </ul>		
		Disadvantages include:		
		<ul> <li>reputation</li> </ul>		
		-		
		• credibility.		
Conduc	ct of	Definitions of the following terms:		
perforn	ners	• etiquette		
		<ul> <li>sportsmanship</li> </ul>		
		<ul> <li>gamesmanship</li> </ul>		
		<ul> <li>contract to compete.</li> </ul>		
		Students should be taught sporting examples of		
_		these terms.		
Specta		The positive influence of spectators at matches/		
behavio	our	events:		
		creation of atmosphere     home field adventage (for home team)		
		<ul> <li>home-field advantage (for home team/ individuals).</li> </ul>		
		The negative influence of spectators at		
		matches/events:		
		<ul> <li>negative effect on performance as a result of</li> </ul>		
		increased pressure		
		<ul> <li>potential for crowd trouble/hooliganism</li> </ul>		
		safety costs/concerns		

	Head	Heart	Hand
	negative effect on participation numbers amongst younger performers.		
Hooliganism	Reasons for hooliganism:		
	security versus safety of spectators.		