The Priory Academy LSST

BTEC Extended Certificate in Sport

Physical Education

GCSE to BTEC in Sport Transition Booklet

Welcome to Physical Education and the BTEC Extended Certificate in Sport. We follow the Pearsons exam board and both internally and externally assessed units are held at The Priory Academy LSST.

Please see below how the course is assessed.

Assessments

| Pearson BTEC Level 3 National Extended Certificate in Sport | 360 GLH (445 TQT) Equivalent in size to one A Level. 4 units of which 3 are mandatory and 2 are external. Mandatory content (83%). External assessment (67%). | A broad basis of study for the sport sector. This qualification is designed to support progression to higher education when taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels. |
|---|--|---|
|---|--|---|

Key



| Ur | nit (number and title) | Unit size (GLH) | Certificate (180 GLH) | Extended Certificate (360 GLH) |
|----|--|-----------------------|--------------------------|--------------------------------------|
| 1 | Anatomy and Physiology | 120 | м | м |
| 2 | Fitness Training and Programming for Health, Sport and Well-being | 120 | | м |
| 3 | Professional Development in the Sports Industry | 60 | | м |
| 4 | Sports Leadership | 60 | | 0 |
| | | - | | |

Externally-assessed units

Each external assessment for a BTEC National is linked to a specific unit. All of the units developed for external assessment are of 120 GLH to allow learners to demonstrate breadth and depth of achievement. Each assessment is taken under specified conditions, then marked by Pearson and a grade awarded. Learners are permitted to resit external assessments during their programme. You should refer to our website for current policy information on permitted retakes.

The styles of external assessment used for qualifications in the Sport suite are:

- examinations all learners take the same assessment at the same time, normally with a written outcome
- set tasks learners take the assessment during a defined window and demonstrate understanding through completion of a vocational task.

Some external assessments include a period of preparation using set information. External assessments are available once or twice a year. For detailed information on the external assessments please see the table in *Section 2*. For further information on preparing for external assessment see *Section 5*.

The Year 12 and 13 content is delivered by two specialist members of PE staff: Mr Hill and Mrs Porter.

Here is a link to the specification: <u>https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Sport/20161/specificationand-sample-assessments/9781446938096_BTEC_Nat_ExtCert_Sport_SPEC.pdf</u>

This pack will support you to effectively transition from GCSE to BTEC within Physical Education.

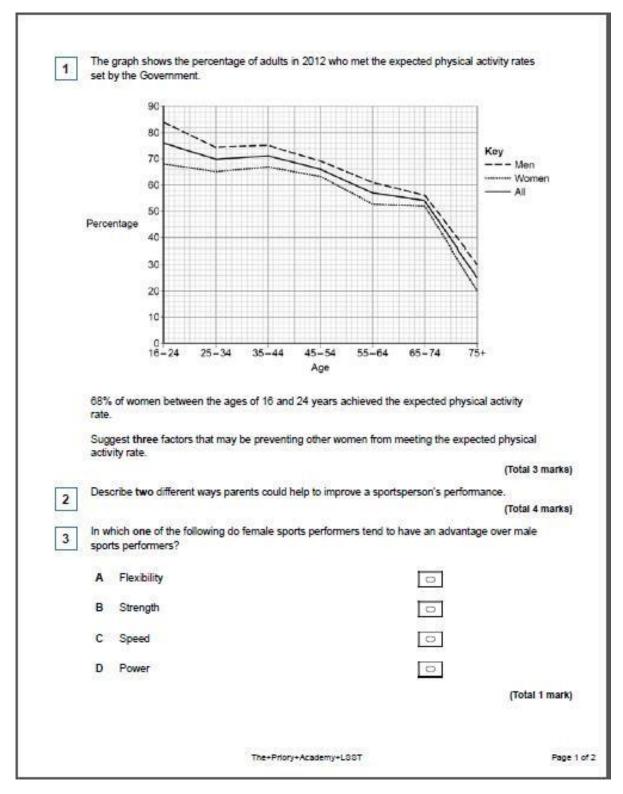
Complete the below GCSE recap content questions:

Applied Anatomy and Physiology

| 1 | Defi | ne cardiac output | | |
|-----------|------|---|---|-----------------|
| | | | | (Total 1 mark) |
| 2 | Whe | en a performer exercises, bloo | od is redistributed to different parts of the body. | |
| 2 | | the second line | dy redistributes blood during exercise. | |
| | Lyb | an two ways in milor the bo | sy reasonales blood daming exercise. | (Total 4 marks) |
| | The | diagram shows the lung volu | mes recorded on a spirometry trace. | |
| 3 | | | | |
| | | 6- | 1 | |
| | | 5 | | |
| | | 4 | Exercise+ | |
| | | | 0000000 | |
| | | Volume (I) 3- | | |
| | | 2. | | |
| | | 1- | 1 | |
| | | | Residual volume | |
| | | 0- | Time | |
| | | | | |
| | Iden | tify the lung volumes labelled | IX and Y. | |
| 11. J. A. | | | | (Total 2 marks) |
| 4 | | ch one of these lung volumes ration? | s is defined as the volume of air left in the lungs aft | er maximal |
| | A | Expiratory reserve volume | 0 | |
| | в | Inspiratory reserve volume | O | |
| | с | Residual volume | O | |
| | D | Tidal volume | D | |
| | | | | (Total 1 mark) |
| | | | | |
| | | | | |
| | | | | |

| 5 | Some performers include altitude training as a method of preparing for their sport. | training? |
|---|--|----------------------|
| | (i) In what type of physical activity would a performer choose to include altitude | training: |
| | | 1. |
| | (ii) Explain what altitude training is. | 12 |
| | | (2 |
| | Describe what benefits the performer gains from using altitude training. | |
| | | (2 (Total 5 marks |
| 6 | In 1999, Michael Johnson set a new world record for the 400m with a time of 43.18 | seconds. |
| | (a) Justify why his performance was mainly aerobic or anaerobic. | |
| | | (4 |
| | (b) Athletes work at a percentage of maximal heart rate when training. | |
| | How is maximal heart rate calculated? | |
| | How is maximal heart rate calculated? | (1 |
| | | (Total 5 marks |
| | Define isometric contraction. | |
| 7 | | |
| | Use a sporting example in your answer. | (Table 2 marks |
| | | (Total 2 marks |
| 8 | Movement occurs through the combination of the skeletal system and the muscula | r system. |
| | State one bone, one joint and one muscle which would be involved when t moved. | he arm is |
| | | (3 |
| | (ii) Explain what is meant by abduction. | |
| | | (2 |
| | | (Total 5 marks |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Sport and Society



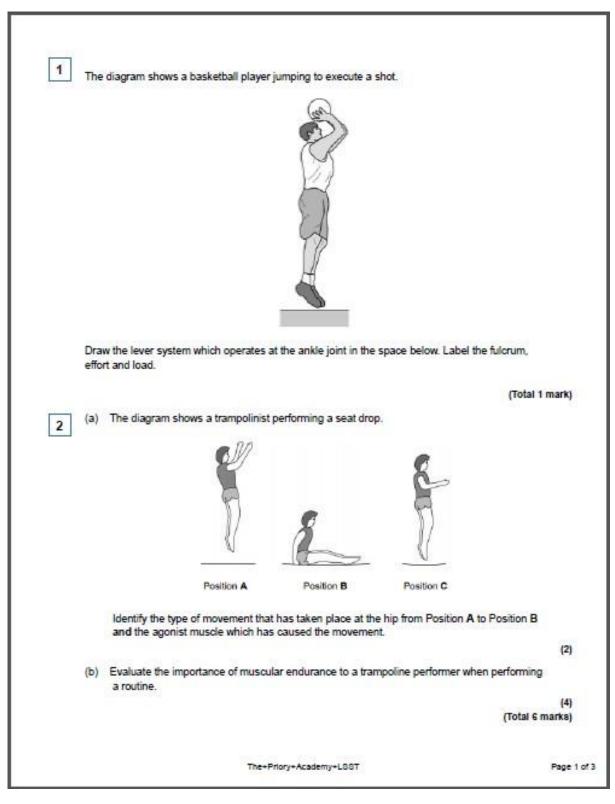
| | Role models can greatly influence the levels of both performance and participa | |
|-------|---|--|
| | Explain, using an example, how a role model could help to improve the performance in a sport or activity. | level of |
| | | (3 |
| | Explain, using an example, how a role model could help to improve the participation in a sport or activity. | |
| | | (3 (Total 6 marks |
| 19-10 | | The second s |
| 5 | Name two social groups and explain how they may influence a young person's participate in physical activity. | decision to |
| | | (Total 4 marks |
| | (a) Define commercialisation. | |
| 6 | | (1 |
| | (b) Evaluate the role of the media in the relationship between sport, sponsors | shin and the |
| | media. | and and and |
| | | (2 |
| | | (Total 3 marks |
| 7 | | |
| 30 | State three types of sponsorship an individual may receive. | (Total 3 marks |
| | | |
| 8 | Identify two benefits a sponsor would expect to receive as a result of sponsori | ng an athlete. (Total 2 marks |
| 13 | | (Total 2 marks |
| | | |
| | | |
| | | |
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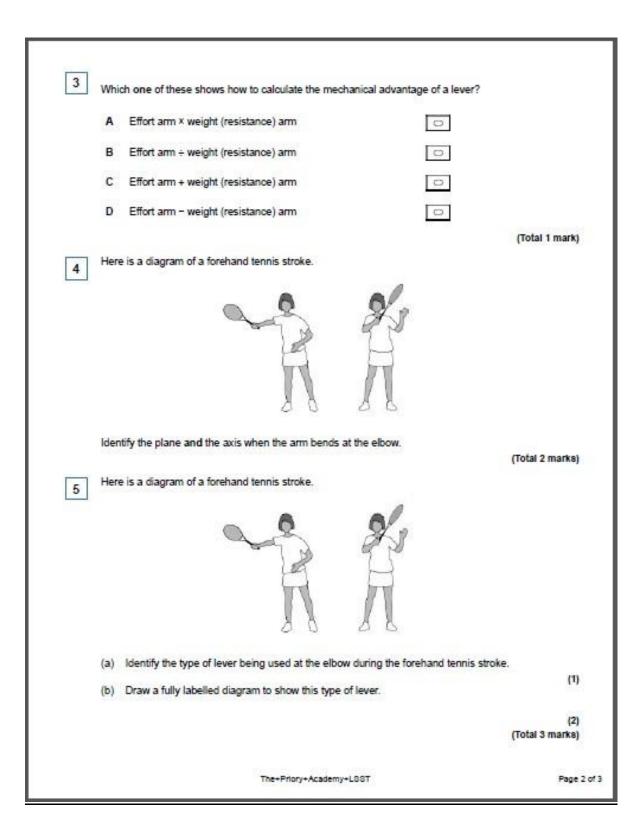
Factors effecting optimal performance in sport

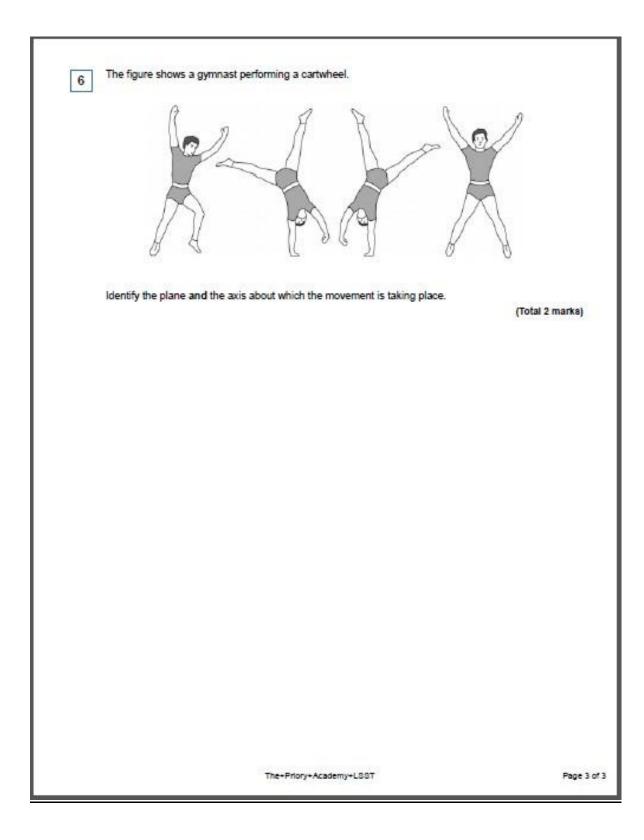
| | er penorming any period or training, a (| cool down is important. | |
|--------------------------------|--|---|-----------------------------------|
| Ide | ntify two parts of an effective cool dow | n. | |
| | | | (Total 2 marks) |
| | plain how completing a cool down after overy. | r a game or training session is important | to help |
| | overy. | | (Total 5 marks |
| 3 Ho | w much fat should a balanced diet con | tain? | |
| | | | |
| A | 15-20% | 0 | |
| В | 25-30% | D | |
| C | 35-40% | D | |
| 100 | | | |
| D | 55-60% | 0 | |
| | | | (Total 1 mark |
| | | | occurring during |
| the | session. | | |
| | ich one of these performers is most li | kely to use altitude training? | |
| | 201 201 12 21 12 | kely to use altitude training? | |
| 5 Wł | nich one of these performers is most li | | |
| 5 Wł | nich one of these performers is most lii Canoeist Gymnast | | |
| 5 ^{Wł} A B | nich one of these performers is most lii Canoeist Gymnast | | |
| 5 ^{Wł} A B C | nich one of these performers is most lii Canoeist Gymnast Hockey player | | (Total 3 marks) (Total 1 mark) |
| 5 Wh A B C D | nich one of these performers is most li Canoeist Gymnast Hockey player Marathon runner | | (Total 3 marks) (Total 1 mark) |
| 5 Wh A B C D | nich one of these performers is most li Canoeist Gymnast Hockey player Marathon runner | | (Total 3 marks (Total 1 mark |
| 5 Wh A B C D | nich one of these performers is most li Canoeist Gymnast Hockey player Marathon runner | | (Total 3 marks (Total 1 mark |
| 5 Wh A B C D | nich one of these performers is most li Canoeist Gymnast Hockey player Marathon runner | | (Total 3 marks (Total 1 mark |

| Interviews and surveys Image: Conservations and surveys Douestionnaires and surveys Image: Conservations and surveys Douestionnaires and surveys Image: Conservation conservation of the field surveys Conservations and surveys Image: Conservation conservation of the field surveys Conservations and surveys Image: Conservation conservation of the field surveys Conservation conservation of the field surveys Image: Conservation conservation of the field surveys Conservation conservation of the table below. Image: Conservation conservation of the field surveys Conservation conservation of the table above. Identify which one of the fields is eating above the recommended colorie intake per day for an average adult. Total 1 m | A Interviews | and observatio | ns | | 0 | |
|---|--------------|------------------|----------|----------|--------------------|--------------|
| C Observations and surveys Image: Constraints and surveys D Questionnaires and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraints and surveys Image: Constraints and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint and surveys Image: Constraint a | | | | | | |
| D Questionnaires and surveys Image: Control of a | B Interviews | and surveys | | | D | |
| (Total 1 m A group of five friends recently counted their daily calorie intake over a period of 7 days. Their average daily intake over this period is shown in the table below. | C Observati | ons and survey | s | | D | |
| A group of five friends recently counted their daily calorie intake over a period of 7 days. Their average daily intake over this period is shown in the table below. Image: Straight of the | D Question | naires and surve | eys | | 0 | |
| average daily intake over this period is shown in the table below. Friend 1 Friend 2 Friend 3 Friend 4 Friend 5 Gender Male Male Female Male Female Average calories/day 2500 2300 1900 2200 2400 Analyse the information in the table above. Identify which one of the friends is eating above the recommended calorie intake per day for an average adult. | | | | | | (Total 1 |
| Gender Male Male Female Male Female Average calories/day 2500 2300 1900 2200 2400 Analyse the information in the table above. Identify which one of the friends is eating above the recommended calorie intake per day for an average adult. Image: Calories and Calorie intake per day for an average adult. | | | | | | f/days.Their |
| Average calories/day 2500 2300 1900 2200 2400 Analyse the information in the table above. Identify which one of the friends is eating above the recommended calorie intake per day for an average adult. Analyse the information in the table above. Identify which one of the friends is eating above the recommended calorie intake per day for an average adult. | | Friend 1 | Friend 2 | Friend 3 | Friend 4 | Friend 5 |
| calories/day 200 2300 1900 2200 2400 Analyse the information in the table above. Identify which one of the friends is eating above the recommended calorie intake per day for an average adult. 2400 2400 | Gender | Male | Male | Female | Male | Female |
| recommended calorie intake per day for an average adult. | | 2500 | 2300 | 1900 | 2200 | 2400 |
| | | | | | f the friends is e | |

Biomechanical movement







Sport Psychology

| | On completion of week 5. | f the putting tes | st in week 4, he v | vas then asked | to set his own | target score for |
|----------|--------------------------------------|-------------------|----------------------|-------------------|-----------------|------------------------|
| | The table below | shows the resu | ilts of tests and t | he target score | set for week 5. | |
| | | Week 1 | Week 2 | Week 3 | Week 4 | Target score week 5 |
| | Successful putts | 22 | 30 | 36 | 38 | 64 |
| | Explain why the | golf coach may | use performanc | e goals to help | motivate Milo t | o improve his |
| | score in week 5. | | | | | (Total 2 mar) |
| 2 | | | | | | |
| 2 | Which one of the | ese is an examp | ple of intrinsic m | otivation when k | earning to swin | n? |
| | A Enjoying th | ne swimming le | ssons | | D | |
| | B Moving on | to the next swi | imming level | | 0 | |
| | 100 | | No. of Contracts | | | |
| | C Receiving | badges for dist | arices swam | | 0 | |
| | D Receiving | praise from the | swimming teac | her | D | |
| | | | | | | (Total 1 ma |
| 3 | Name two stress | s management | techniques that | could be used to | control arous | al. (Total 2 mari |
| 4 | | | | | | |
| <u> </u> | The winners of the | | | | ne end of the s | eason. |
| | Evaluate the use | of a trophy as | a form of extrins | ic motivation. | | (Total 3 mar) |
| | | | | | | |
| 5 | In 2015, Manche against Arsenal I | | aller, Jill Scott, w | as sent off for a | n aggressive a | ct in a game |
| | Explain the differ | ence between | direct aggressio | n and indirect ag | gression in ph | ysical activity and |

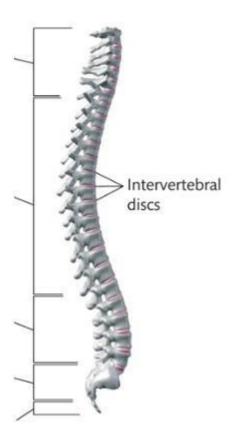
| 6 | -2020 | ch one of these is an example of extrinsic motiva | 1995-199 193-199 | |
|---|-------|--|-------------------------------|-----------------|
| | A | Personal achievement | 0 | |
| | в | Praise | O | |
| | с | Pride | 0 | |
| | D | Self-satisfaction | 0 | |
| | | | | (Total 1 mari |
| 7 | Ann | a is a young athlete who is a member of her loca | athletics club. She has SMAR | T targets. |
| Ŀ | (a) | What do the S, M and T in SMART stand for? | | |
| | | | | (3 |
| | (b) | Anna is running a half marathon. Her previous l last year. She has set herself the following targ | | achieved |
| | | 'Finish in under 2 hours, 15 minutes.' | | |
| | | Justify why this is a SMART target. | | |
| | | | | (* |
| | (c) | Define the terms performance goals and outcom | ne goals. | |
| | (d) | Support and performance and and one outport | no apol for a 100 m corinter | (3 |
| | (a) | Suggest one performance goal and one outcom | ne goal for a 100 m sprinter. | (2 |
| | | | | (Total 11 marks |
| 8 | Whi | ch one of these activities is most suited to an int | overt? | |
| | A | Association football | 0 | |
| | в | Basketball | O | |
| | с | Canoeing | 0 | |
| | D | Rugby League | D | |
| | | | | (Total 1 mari |
| | | | | |
| | | | | |

Define the following key terms

Balanced Diet Cardiac Output Dehydration EPOC Hypertrophy Isometric Motivation Residual volume Spirometer Trace Viscosity

UNIT 1 PREPARATION- Research and complete the following questions/ tasks:

 \blacksquare Label the areas of the spine in the diagram below



Postural deviations

The 33 vertebrae of the spine have a distinctive shape when stacked on top of one another. The normal shape consists of a curve when viewed from the side. Occasionally the spine may suffer from disorders which can cause the natural curves to change.

A neutral spine refers to a good posture with the correct position of the three natural curves.

| Disorder | Description |
|------------------|-------------|
| <u>Kyphosis</u> | |
| <u>Scoliosis</u> | |

🥟 Complete the table below describing the types of muscle contractions.

| Muscle contraction | Description | Sport Examples |
|-----------------------|-------------|----------------|
| 1 | | |
| | | |
| 2 | | |
| | | |
| 3 | | |
| | | |
| | | |

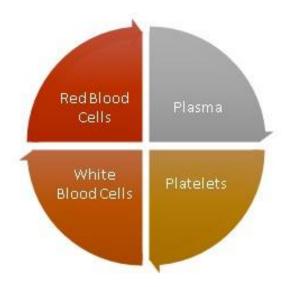
Chemical Control

Other factors that control breathing are the continually changing levels of oxygen and carbon dioxide in the blood.

Explain how **chemoreceptors** detect changes in chemical and pH levels to adapt breathing rates.

Composition of Blood

The average adult has approximately 4-5 litres of blood in their body. This blood is composed of:



Explain the structure and function of different components of blood.

| Blood Component | Structure | Function |
|--------------------------------------|-----------|----------|
| Red Blood Cells (Erythrocytes) | | |
| Plasma | | |
| White Blood Cells (Leucocytes) | | |
| Platelets (Thrombocytes) | | |

Draw the process of ATP being broken down in to ADP.

UNIT 2 PREPARATION- Research and complete the following questions/ tasks:

- 1. List 3 different types of training methods.
- 2. Explain how each method of training works and its effectiveness to an athlete.
- 3. Explain the difference between a healthy and an unhealthy lifestyle. Use examples in your answer.
- 4. When considering creating a diet, explain what factors should be considered and how the diet would match these factors.

UNIT 3 PREPARATION- Research and complete the following questions/ tasks:

Using the website: https://careers-in-sport.co.uk/ Gain an understanding of the diverse range of careers on offer within the sport industry. Now complete the following:

- 1. List 5 different sports careers you have found
- 2. <u>Choose 3 of the above jobs and explain how they differ (discuss</u> <u>requirements/ skills/ qualities etc.)</u>
- 3. <u>Complete your own SWOT analysis (Strengths- Weaknesses-</u> <u>Opportunities- Threats) as if you were applying for one of the above 5</u> <u>careers</u>
- 4. <u>If you were the interviewer for the above career- write 5 questions which</u> you would ask the interview candidate

UNIT 4 PREPARATION- Research and complete the following questions/ tasks:

1, List 3 different Sport leadership roles

2. <u>As a Sports first aider what qualities would you require to ensure you</u> <u>carry this role out correctly?</u>

<u>3.</u> What do you know about team cohesion? How would this affect the performance of a team?

<u>4.</u> what kind of sporting situations are stressful and in there any type of stress that would help a sports performer?