

**LEISURE STUDIES**

**LS04**

**Unit 4 Leisure Facilities**

To be conducted between 12 January 2009 and 23 January 2009

**For this paper you must have:**

- four 8-page lined answer books, one for each task
- your preparatory folder
- the insert (enclosed).

You may also use graph or plain paper to support your answers if you wish.

You may use a calculator.

Time allowed: 4 sessions of 1½ hours each

**PREPARATORY FOLDERS MUST BE HANDED IN BY FRIDAY 9 JANUARY 2009**

**TO BE OPENED AND ISSUED TO CANDIDATES FROM 12 JANUARY 2009**

**Instructions**

- Do **not** write anything on this paper or insert. They must be brought into each examination session 'clean'.
- Use black ink or black ball-point pen. Pencil, including colours, should only be used for drawing.
- Write the information required on the front of your answer books. The *Examining Body* for this paper is AQA. The *Paper Reference* is LS04.
- No materials from your preparatory folder are to be stuck into your answer books.
- Attempt **all** assignment tasks.
- Start each assignment task in a new answer book.
- Cross through any work you do not want to be marked.
- If you need extra paper, use additional answer sheets.

**Information**

- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.
- Your preparatory folder will be returned to you at the start, and collected in at the end, of each examination session.
- You will be marked on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary where appropriate. The legibility of your handwriting and the accuracy of your spelling, punctuation and grammar will also be considered.

**Advice**

- You may illustrate your answers with sketch maps, plans or diagrams where they are appropriate.

## INSTRUCTIONS AND GUIDANCE FOR TEACHERS AND CANDIDATES TAKING EXTERNALLY ASSESSED ASSIGNMENTS

### The externally assessed assignment

The assignment must be taken during the two-week assignment period. It may be taken as one six-hour session or in up to four 1½ hour sessions. Each session must be a multiple of 1½ hours.

### Preparing for the assignment

Candidates will sit the assignment under examination conditions. The preparatory folder, which must contain only notes written by the candidate and material collected from the organisations studied, must be collected by the teacher **before** the two-week assignment period begins. The folder will be given out at the beginning of each controlled conditions session and be collected in with the scripts at the end of each session and kept securely by the teacher between sessions. Nothing may be added to the folder during the two-week assignment period and no other material may be taken into the examination session(s).

### Writing the assignment under controlled conditions

The assignment consists of four tasks, each designed to be completed in 1½ hours. Each task is to be written in a new answer book. At the end of each 1½ hour session, the answer book containing one completed task will be collected and kept securely by the teacher until the end of the final session. No alterations or additions may be made to candidates' answers to each task once the session has ended.

At the end of the final (fourth) session, the four answer books for each candidate must be fastened together and sent to the designated examiner with the appropriate Centre Declaration Sheet, etc. The preparatory folders must be kept under secure conditions until after the Enquiries upon Results deadline. AQA may call for these preparatory folders to be made available at any time during this period.

Controlled conditions sessions may be in any multiple of 1½ hours and must be completed within the two-week assignment period. Examples of some acceptable time allocations are shown below:

1	2	3	4
1½ hours	1½ hours	1½ hours	1½ hours

One 6 hour session

1	2	3	4
1½ hours	1½ hours	1½ hours	1½ hours

Two 3 hour sessions

1	2	3	4
1½ hours	1½ hours	1½ hours	1½ hours

Four 1½ hour sessions

1	2	3	4
1½ hours	1½ hours	1½ hours	1½ hours

One 4½ hour and one 1½ hour session

or any other combination of four sessions in 1½ hour multiples.

### Presentation of the assignment

- Keep strictly to the set tasks.
- You are advised that the completed assignment should be contained within a range of sixteen to twenty-four sides of written A4.

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Attempt **all** assignment tasks.

Complete Assignment Task 1 during session 1.

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### THE ASSIGNMENT

#### Assignment Task 1: Types and uses of leisure facilities

- (a) For an area that you have studied, briefly outline the range of different leisure facilities where food is served. *(2 marks)*
- (b) Explain why the number of internet cafés has changed during the last ten years or so. *(6 marks)*
- (c) Pubs and bars offer many different forms of entertainment.
- (i) Describe the variety of entertainments in the pubs and bars of one area with which you are familiar. *(4 marks)*
- (ii) Explain why the owners and managers of some pubs and bars have developed a greater variety of entertainments during recent years. *(8 marks)*

**End of Assignment Task 1**

**Turn over ►**

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Complete Assignment Task 2 during session 2.

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**Assignment Task 2: How a facility is designed in relation to its use**

All leisure facilities create an image or impression through their design.

(a) Name a leisure facility that you have studied.

(i) Describe the design of the facility's reception area.

*(4 marks)*

(ii) Discuss the extent to which the design of the reception area helps to create a good image of the facility.

*(6 marks)*

(b) Name a leisure facility that you have studied. (It can be the same as the one in (a) or you can choose a different one.)

Evaluate the suitability of the design of **one** area of the facility where customers take part in their main leisure activity.

*(10 marks)*

**End of Assignment Task 2**

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Complete Assignment Task 3 during session 3.

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**Assignment Task 3: ‘Behind the scenes’ areas**

The following are some of the ‘behind the scenes’ areas of leisure facilities:

- changing rooms and/or toilets
- catering facilities and/or vending machines
- retail outlets (other than food)
- child facilities
- car parking.

(a) Name a leisure facility that you have studied.

Choose **one** area from the list above.

Describe the design of the area that you have chosen in your named leisure facility.

*(4 marks)*

(b) Name a contrasting leisure facility that you have studied.

Choose a **second** area from the list above.

(i) Compare the design of that area in the **two** leisure facilities you have named in (a) and (b).

*(6 marks)*

(ii) Evaluate how effectively **one** of the areas you have chosen operates in **each** of your named facilities.

*(10 marks)*

**End of Assignment Task 3**

**Turn over ►**

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Complete Assignment Task 4 during session 4.

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**Assignment Task 4: Physical and financial resources**

Study the information in the insert.

**Section 1** describes the Carbon Trust and explains its system of ‘benchmarking’ for sports centres.

**Section 2** shows how this system has been applied to one sports centre.

- (a) In the report on D..... Sports Centre in **Section 2**, the following comment was made:

*“It is far better to install automatic equipment than to rely upon personnel to be energy aware.”*

Suggest why this comment was made in the report.

*(2 marks)*

- (b) Write a draft letter to the manager of a leisure facility suggesting what the advantages might be, for that facility, of investing in energy-saving technology.

*(8 marks)*

- (c) Name a leisure facility that you have studied.

Evaluate what is being done at the facility to control all day-to-day running costs.

Suggest and justify further action that could be taken to control running costs.

*(10 marks)*

**End of Assignment Task 4**

**END OF ASSIGNMENT TASKS**

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General Certificate of Education  
January 2009  
Advanced Subsidiary Examination



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**Unit 4 Leisure Facilities**

**LS04**

## Insert

Information for use with **Assignment Task 4**

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**Extracts from the Carbon Trust web page on energy saving, as applied to sports centres.**

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**Section 1**

The Carbon Trust is an independent company, funded by the Department for Environment and Rural Affairs, the Welsh Assembly, Invest Northern Ireland and various other government bodies.

The Carbon Trust aims to help private householders and commercial organisations to reduce their use of energy and their output of carbon into the atmosphere. On its website there is a section which advises sports centre managers on how to carry out an assessment of their energy use and on how to reduce that use.

On its website the Carbon Trust gives advice on ‘benchmarking’ a sports centre’s energy use.

**What is Energy Benchmarking?**

Benchmarking involves comparing your centre’s energy cost and/or energy consumption level against industry norms or benchmarks. Benchmarks have been established for seven different types of centre, or reference types. The comparisons are undertaken per unit of floor area, so can be applied to different sizes of centre. It is preferable to benchmark electricity and heating fuel separately.

**What you will need to benchmark your centre**

An initial assessment can be made using annual energy costs. For this you will need:

- to identify which of seven different centre types most closely matches your centre
- to know your annual energy costs for electricity and heating fuel.

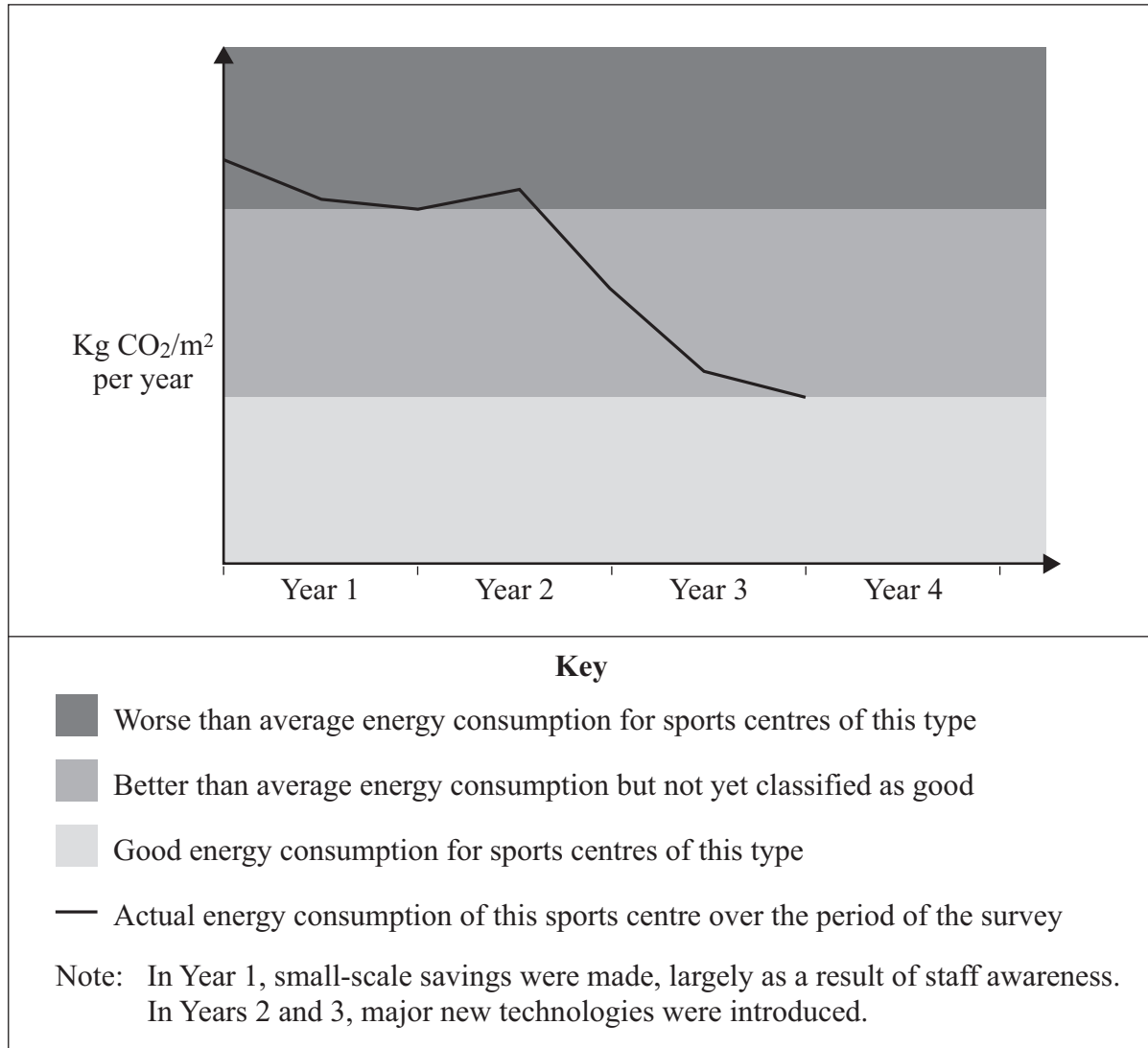
Your initial assessment can be made more accurate if you know:

- the total floor area of your centre
- floor areas and numbers associated with individual activities in your centre
- your actual electricity and heating fuel consumption figures.

### The graph of the results

The results of the benchmarking are presented graphically. Your sports centre's actual consumption is shown as a black line, and is compared with three bands of performance.

The graph below is typical. It shows a sports centre that is 3 years into its energy saving programme with the Carbon Trust.



### Diagnosis and recommendations

If your consumption is higher than your target, you will be recommended to improve your energy management practices.

Turn over ►

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## Section 2

The website also gives examples of sports centres that have used the benchmarking approach. Part of the report on D..... Sports Centre reads as follows:

### **Energy efficient technologies in use at this location:**

Building energy management systems

Glazing to maximise use of natural light

Draught-lobbies and draught-excluders to reduce excess ventilation

Energy efficient lights and light fittings

Heat recovery

Monitoring and targeting for energy and water usage

Boilers with sequencing controls

Staff awareness and motivational campaigns including use of posters, stickers, staff newsletters and articles

Shower controls to prevent wastage

Good housekeeping to avoid wasting energy

Urinal flush controls to prevent wastage

Variable speed fans coupled with humidity control.

### **Comments on energy efficiency technologies made during benchmarking at D..... Sports Centre:**

Glazing to maximise use of natural light: *“Large areas of glazing”*

Draught-lobbies and draught-excluders to reduce excess ventilation: *“Automatic doors installed”*

Staff awareness and motivational campaigns including use of posters, stickers, staff newsletters and articles: *“All management approaches need constant upgrading and refresher courses for staff to achieve any lasting benefits. It is far better to install automatic equipment than to rely upon personnel to be energy aware.”*

ACKNOWLEDGEMENT OF COPYRIGHT-HOLDERS AND PUBLISHERS

Sections 1 & 2: Carbon Trust

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