

Pearson BTEC Sample Set Assignment Brief

Single Part Assessment

Unit 3 – Understanding Environmental Management

For use with:

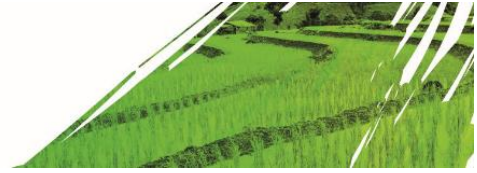
Pearson International BTEC Level 3 qualifications in Agriculture/Horticulture/Land-based Studies

Certificate / Subsidiary Diploma / Foundation Diploma / Diploma / Extended Diploma

Advised hours	13 hours
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For completion by the centre

Qualification (select as appropriate)	Certificate / Subsidiary Diploma / Foundation Diploma / Diploma / Extended Diploma
Assessment date	



Instructions to Teachers/Tutors and/or Invigilators

The Pearson Set Assignment will be assessed internally by the centre using the unit Assessment Criteria detailed in the qualification specification. The Set Assignment will be sampled by the Standards Verifier as part of the standards verification annual centre visit.

Conditions of supervision

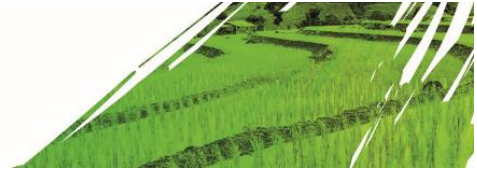
The Pearson Set Assignment should be undertaken in conditions that assure the authenticity of outcome. This may require supervision.

We advise that the Pearson Set Assignment be completed in sessions that come to a total of 13 hours. The Pearson Set Assignment should not be shared with learners prior to the start of the assessment period. Teachers/tutors are responsible for security of the Pearson Set Assignment and materials.

Outcomes for Submission

Learners may submit handwritten or word-processed evidence. Learners must save their work regularly and ensure that all materials can be identified as their work.

Learners must submit their own, independent work as detailed in the set assignment. Each learner must complete an authentication sheet.



Instructions to Learners

Read the Set Assignment carefully.

You will be asked to carry out specific activities using the information provided. You will be given a specific time period to complete the assignment.

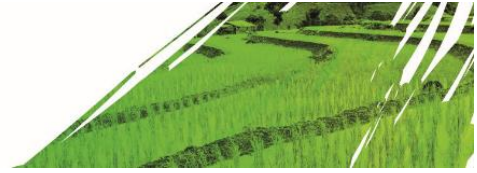
At all times you must work independently and must not share your work with other learners. You must complete an authentication sheet and submit this along with your work.

Set Assignment Information

Hawkshill is a large farm, in the Balkan region of Europe. It has a moderately continental climate having cold winters with temperatures as low as -2°C and hot summers with temperatures as high as 29°C . The end of May and early June sees thunderstorms with heavy rainfall and the region has an average annual rainfall of 60cm.

As the climate is changing Hawkshill is seeing higher rainfall and more snow and as a result crop and livestock produced has declined. In addition to this when rainfall is very heavy a river, close to the farm and local town, can burst its banks causing flooding for prolonged periods.

Land within the region is being converted to agriculture to allow farmers sufficient grazing land for livestock.



Set Assignment

You must complete ALL activities.

ACTIVITY 1

You are required to independently carry out research into and prepare summary notes on the management of grasslands in a Balkan region of Europe. Include in your research:

- Main abiotic features, flora and fauna (key species)
- Changes and impacts upon abiotic features, flora and fauna due to Agriculture, Horticulture and other human influences
- Conservation management, methods and strategies
- Use of grazing as a grassland management technique
- Production of hay as a grassland management technique.

ACTIVITY 2

At Hawkshill farm land is used for agriculture and horticulture together with wild grassland habitats. As demand grows for meat production, Hawkshill's wild grassland habitats are needed to grow grass for hay production and grazing livestock.

Cutting of grass for hay and grazing of grasslands can be grassland management conservation techniques.

Discuss grassland management techniques for managing biodiversity at Hawkshill.

You should include:

- Main abiotic features, flora and fauna of Balkan grasslands
- The importance and methods of managing resources within an ecosystem to ensure survival of the ecosystem and its biodiversity
- Changes and impacts upon abiotic features, flora and fauna due to Agriculture, Horticulture and other human influences
- Information about the techniques used, the advantages and disadvantages of grassland management to conserve the habitat and its biodiversity.

This activity covers learning aims A and B.

A. P1 A.P2 A.M1 AB.D1 B P3 B.M2.

ACTIVITY 3

Flooding can be a feature of major weather hazards.

Write an essay about flooding. Within your response consider:

- causes
- features
- impacts
- strategies for managing the impacts before and after the event.

This activity covers learning aims C.

C. C.P4, C.P5, C.M3, C.D2