

Form B

Competition Brief

Competition title and level

Skills Competition Wales Forensic Science Competition
LEVEL 2 – INTERMEDIATE
DATE & VENUE OF FINAL : Thursday 6th December 2018
Pontypool Campus, Coleg Gwent, Blaendare Rd, Pontypool NP4
5YE.

Entry requirements

Those wishing to enter this competition should be:

- Studying or enrolled on a level 2 programme OR
- Have achieved a level 2 qualification in the last 12 months (so could currently be on the first year of a level 3 programme having completed a qualification at level 2 within the last 12 months).

Entrants for this Skills Competition Wales can be any age however entrants should be aware that for the WorldSkills competition there is an upper age restriction.

Competitors must work in pairs (2 people in 1 team).

Competition outline

The 2018-2019 Forensic Science Competition is designed to assess your understanding and knowledge of Forensic Science and its use within the United Kingdom criminal justice system.

Competitors will be required to complete a 'Special Property' (SPR) forensic examination exercise, demonstrating the ability to maintain integrity and continuity throughout the examination, ensuring appropriate examination techniques and procedures are conducted in accordance with the National Occupational Skills (NOS) competency framework.

The detail

The challenge will be based on 2 different crime scenarios where forensic opportunities exist to support the investigation. Competitors will be challenged to correctly identify those opportunities and show how these are recorded and abstracted from the scene in a way that ensures the integrity of the sample and the continuity for evidential purposes. Within the assessment criteria, participants will be expected to have knowledge of actual crimes where evidence similar to that now being recovered has been used in court proceedings. This may include examples of where a failure to deal with forensics appropriately has resulted in a miscarriage of justice.

Competitors will be required to complete a 'Special Property' (SPR) forensic examination exercise, demonstrating the ability to maintain integrity and continuity throughout the examination, ensuring appropriate examination techniques and procedures are conducted in accordance with the National Occupational Skills (NOS) competency framework.

The competitors must be mindful of the rules of evidence, chain of continuity and cross contamination.

All exhibits identified must be recovered using standard processing, recording and recovery techniques. In the event of different teaching systems, the judges will have the ability to make decisions to approve or not those systems.

All exhibits will be entered onto Scene [Logs](#)/Lab [Books](#) as provided.

All exhibits/evidence correctly packaged, together with the scene logs, will be presented to the judges at the end of the examination.

All equipment, including protective clothing, will be provided and competitors will have the opportunity to familiarise themselves with the equipment before the event. A full list will be made available before the finals in order that competitors can speak to course leaders and ensure they are aware of the equipment and its use should they not be familiar with it.

The use of outside influences or conferring with other competitors during this stage of the competition will result in disqualification.

The competitors are required to maintain full continuity of exhibit handling throughout the process, by means of completing the special property continuity form, detailing date, time and exhibit details of items removed from SPR, ensuring they sign the departments log to demonstrate chain of custody.

The correct opening of exhibit bags must be appropriately practiced, with subsequent appropriate methods of re-signature sealing of the bags, ensuring continuity labels are signed and dated.



During the exhibit examination process, the competitors are responsible for drawing an inference on the most appropriate methods of examination and techniques applied to achieve best evidence.

Marking and assessment

The competition requires individuals to:

- Understand processes and systems used in the Forensic Science industry
- Identify evidence
- Understand evidential significance
- Use specialist equipment
- Use appropriate recovery and preservation methods
- Utilise time management skills
- Consider all personal safety measures when working with crime scenes

Full recording techniques must be used to describe the scene presented.

A scene brief will be provided in the project pack, prior to the activity (deliverable on the day of competition).

The scene log/laboratory notebook needs to be completed with as much detail as possible, in English and in ink. It must be legible and all pages must be numbered with the total number of pages being inserted onto the bottom of each page. You will be handed this during the brief at the start of the competition.

Preparation, conduct and marking of submissions:

Competitors performance will be constantly assessed throughout the tasks, with results being awarded at the end of the competition. Each submission will be assessed and marked by a panel of judges who are established forensic experts within the UK Criminal Justice System using the criteria and allocation of marks forms. Marks will be deducted if documents are missing or incomplete.

We encourage entrants to invite their respective Police Forces to assist in their assessment process. This could include the learning input and the provision of relevant logs, registers and scene scenarios.



Competition rules

2 people in each team

No use of mobile phones or outside support is permitted

1 team per college invited with a maximum of 6 teams competing (first come, first serve basis).

Contact details

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Ffurflen B

Briff y Gystadleuaeth

Teitl a lefel y gystadleuaeth

Cystadleuaeth Gwyddoniaeth Fforensig Cystadleuaeth Sgiliau Cymru

LEFEL 2 – CANOLRADD

DYDDIAD A LLEOLIAD Y ROWND DERFYNOL : Dydd Iau 6th Rhagfyr 2018

Pontypool Campus, Coleg Gwent, Blaendare Rd, Pontypool NP4 5YE.

Gofynion mynediad

Dylai'r rhai sy'n awyddus i gystadlu naill ai fod yn:

- Astudio neu wedi'u cofrestru ar gynllun lefel 2 NEU
- Fod wedi ennill cymhwyster lefel 2 o fewn y 12 mis diwethaf (gallent fod ar flwyddyn gyntaf cynllun lefel 3 yn dilyn cwblhad cymhwyster lefel 2 o fewn y 12 mis diwethaf).

Caiff cystadleuwyr y Gystadleuaeth Sgiliau Cymru hon fod o unrhyw oed, ond dylech wybod fod uchafswm oed ar gyfer y gystadleuaeth WorldSkills.

Rhaid i'r cystadleuwyr weithio fel paru (2 berson i bob 1 tîm).

Amlinelliad o'r gystadleuaeth

Dyluniwyd Cystadleuaeth Wyddoniaeth Fforensig 2018-2019 i asesu eich dealltwriaeth a'ch gwybodaeth am Wyddoniaeth Fforensig a'i ddefnydd o fewn system gyfiawnder troseddol y Deyrnas Unedig.

Rhaid i gystadleuwyr gwblhau ymarfer archwiliad fforensig 'Special Property' (SPR), gan arddangos y gallu i gynnal cywirdeb a chysondeb dilyniannol trwy gydol yr archwiliad, gan sicrhau'r defnydd o dechnegau a gweithdrefnau archwilio priodol yn unol â fframwaith cymhwysedd y Sgiliau Galwedigaethol Cenedlaethol (NOS).

Y manylyn

Bydd yr her yn seiliedig ar ddau senario gwahanol o droseddau, lle mae cyfle i gefnogi'r ymchwiliad gan ddefnyddio gwyddoniaeth fforensig. Gofynnir i'r cystadleuwyr nodi'r cyfleoedd hynny'n gywir, gan ddangos sut caiff y rhain eu cofnodi a'u cludo o'r safle mewn ffordd sy'n sicrhau cywirdeb y sampl a chysondeb dilyniannol ar gyfer dibenion tystiolaethol. O fewn y meini prawf asesu, disgwylir i'r mynychwyr arddangos gwybodaeth am droseddau gwir pan ddefnyddiwyd tystiolaeth sy'n debyg i'r math a gesglir mewn achosion llys. Gall hyn gynnwys enghreifftiau o le mae methiant i ymdrin â thystiolaeth fforensig yn briodol wedi arwain at gamweinyddiad cyfiawnder.

Mae'n ofynnol i gystadleuwyr gwblhau ymarfer archwiliad fforensig 'Special Property' (SPR), gan arddangos y gallu i gynnal cywirdeb a chysondeb dilyniannol drwy gydol yr archwiliad, gan sicrhau'r defnydd o dechnegau a gweithdrefnau archwilio priodol yn unol â fframwaith cymhwysedd y Sgiliau Galwedigaethol Cenedlaethol (NOS).

Dylai'r cystadleuwyr fod yn ymwybodol o reolau tystiolaeth, y gadwyn cysondeb dilyniant, a chroes halogiad.

Rhaid casglu'r holl arddangosion a gofnodir gan ddefnyddio technegau prosesu, cofnodi, a chasglu safonol. Pan fydd systemau addysg gwahanol, bydd gan y beirniaid yr hawl i wneud penderfyniadau i gymeradwyo'r systemau hynny neu beidio.

Cofnodir yr holl arddangosion o fewn [Logiau Safle/Llyfrau](#) Lab a ddarperir.

Dylid cyflwyno'r holl arddangosion/tystiolaeth wedi'u pecynnu'n gywir, ynghyd â'r logiau safle, i'r beirniaid ar ddiwedd yr archwiliad.

Darperir yr holl gyfarpar, gan gynnwys dillad amddiffynnol, a bydd cystadleuwyr yn cael y cyfle i ymgyfarwyddo â'r cyfarpar cyn y digwyddiad. Bydd rhestr lawn ar gael cyn y rownd derfynol fel bo modd i gystadleuwyr gael siarad gydag arweinwyr y cwrs i sicrhau eu bod yn ymwybodol o'r cyfarpar a'r defnydd ohono os nad ydynt eisoes yn gyfarwydd ag ef.

Bydd derbyn dylanwadau allanol neu ymgyngori gyda chystadleuwyr eraill yn ystod y cam hwn o'r gystadleuaeth yn arwain at ddiarddeliad.

Gofynnir i gystadleuwyr gynnal cysondeb dilyniannol llwyr o ran trin arddangosion trwy gydol y broses, gan gwblhau'r ffurflen dilyniant eiddo arbennig, yn cynnwys manylion y dyddiad, a'r amser cafodd arddangosyn ei gasglu o SPR, a sicrhau eu bod yn llofnodi llyfr log yr adran er mwyn dangos cadwyn cystodaeth.

Rhaid defnyddio'r dull cywir o agor bagiau arddangosion fel sy'n briodol, ynghyd â dulliau priodol dilyniannol o ail-gau'r bagiau gyda llofnod, a gwneud yn siŵr bod labeli cysondeb dilyniannol yn cael eu llofnodi a'u dyddio.

Yn ystod y broses o archwilio arddangosion, bydd y cystadleuwyr yn gyfrifol am gyrraedd casgliad ynglŷn â'r dulliau archwilio a'r technegau mwyaf priodol i'w ddefnyddio i gael y dystiolaeth orau.



Marcio ac asesu

Mae'r gystadleuaeth yn gofyn i unigolion:

- Ddeall y prosesau a'r systemau a ddefnyddir yn y diwydiant Gwyddoniaeth Fforensig
- Gofnodi tystiolaeth
- Deall arwyddocâd tystiolaethol
- Defnyddio cyfarpar arbenigol
- Defnyddio dulliau casglu a chadw priodol
- Defnyddio sgiliau rheoli amser
- Ystyried yr holl fesurau diogelwch personol wrth weithio gyda safleoedd trosedd

Rhaid defnyddio technegau cofnodi llawn i ddisgrifio'r safle sydd dan sylw.

Darperir briff safle cyn y gweithgaredd o fewn y pecyn prosiect (a ddanfonir ar ddiwrnod y gystadleuaeth).

Rhaid cwblhau'r log safle/llyfr nodiadau labordy mor fanwl ag sy'n bosibl, yn Saesneg ac mewn inc. Rhaid iddo fod yn ddarllenadwy a rhaid rhifo'r holl dudalennau, a chynnwys cyfanswm nifer y tudalennau ar waelod pob tudalen. Byddwch yn derbyn y llyfr yn ystod y briff ar ddechrau'r gystadleuaeth.

Gwaith paratoi, ymddygiad, a marcio cynigion:

Bydd perfformiad y cystadluewyr yn cael ei asesu trwy gydol y tasgau, a'r canlyniadau yn cael eu dyfarnu ar ddiwedd y gystadleuaeth. Caiff pob cynnig ei asesu a'i farcio gan banel o feirniaid sy'n arbenigwyr fforensig sefydledig o fewn System Cyfiawnder Troseddol y DU, gan ddefnyddio'r meini prawf a ffurflenni dyrannu marciau. Collir marciau os bydd dogfennau ar goll neu'n anghyflawn.

Rydym yn annog ein hymgeiswyr i wahodd yr Heddluoedd priodol i gynorthwyo yn ystod y broses asesu. Gallai hyn gynnwys addysg, darparu logiau a chofrestrau priodol, a senarios safle.



Rheolau'r gystadleuaeth

2 berson ym mhob tîm

Ni chaniateir y defnydd o ffonau symudol neu gefnogaeth allanol

1 tîm o bob coleg yn unig a wahoddir, gydag uchafswm o 6 tîm yn cystadlu (ar sail y cyntaf i'r felin).

Manylion cyswllt

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Ariennir gan
Lywodraeth Cymru
Funded by
Welsh Government