

BACCALAURÉAT PROFESSIONNEL SECTION EUROPÉENNE SESSION 2021

Constructions des carrosseries

Épreuve orale spécifique de langue vivante : **ANGLAIS**

Entretien :

Partie A – 10 minutes

(à partir du sujet ci-dessous)

Partie B – 10 minutes

(entretien à partir des travaux et activités effectués pendant l'année de terminale dans la discipline non linguistique et ouverture européenne)

Durée de l'épreuve : 20 minutes

Préparation : 20 minutes

Corrigé SUJET n° 1

<http://images.google.uk>

Situation:

You are a car body builder at Ellis & Son vehicle builders at Tonbridge Kent, UK. You take charge of Mr. Rodgers who drives into the garage with his van.



He explains that he is a plumber and he has just bought a new torch. He wants to fit a support into his van.

He works alone. So, he wants to unload his torch easily and quickly and transport it safely.

You ask Mr. Rodgers to drive the van into the workshop.

Your Tasks

1) Explain why you think it is important to install the torch on a trolley.

A torch consists of 2 gas cylinders (argon and CO2) which are often heavy. It will be easier to carry the torch, especially to climb floors and move around the job sites.

2) Propose two solutions to attach the trolley at the rear of the van. (Document 1 page 2/2)

To secure the trolley with the torch in the van, a fastening system must be used.

Two possible solutions:

The first, cheap, is to use hooks to screw into the bulkhead of the van. Next, the trolley should be fastened with elastic or rigid straps. This solution is not adjustable and does not allow to be adapted if the size of the trolley is changed.

The second, more expensive, is to fix modular rails. This allows to move the straps according to the size of the object to be attached.

In both cases, fasteners must be adapted to the bulkhead and van materials.

- 3) On second thought, Mr Rodgers wants a ramp to load and unload his trolley. Explain which metal you are going to use et why. Tell him what tools and machines you need to produce the ramp.

He works alone. So, he must be able to carry the ramp alone. The material which is rigid enough and lightweight is aluminum.

To cut an aluminum sheet, I should use a hydraulic shearing machine.

To cut aluminum pipes and profiles, I should use an automatic hacksaw

To bend a metal sheet, I should use a bending machine.

To weld different parts of aluminum, I should use a welding station with TIG equipment.

To grind and deburr parts, I should use a grinding machine.