SCéRén

SERVICES CULTURE ÉDITIONS RESSOURCES POUR L'ÉDUCATION NATIONALE

Ce document a été numérisé par le **CRDP de Bordeaux** pour la Base Nationale des Sujets d'Examens de l'enseignement professionnel.

Campagne 2010

BREVET DE TECHNICIEN SUPÉRIEUR

SESSION 2010

ÉPREUVE ÉCRITE DE LANGUE VIVANTE ÉTRANGÈRE

GROUPE 9

ANGLAIS

DURÉE : 2 HEURES

SPÉCIALITÉS
DOMOTIQUE
FLUIDES – ÉNERGIES - ENVIRONNEMENTS
INFORMATIQUE ET RÉSEAUX POUR L'INDUSTRIE ET LES SERVICES TECHNIQUES
SYSTÈMES ÉLECTRONIQUES

ATTENTION

- Les candidats du BTS I.R.I.S, Fluides – Énergies – Environnements et Systèmes Électroniques répondront aux questions pages 3 à 5.

- Les candidats du BTS Domotique répondront aux questions pages 6 à 8.

- Vous écrirez directement vos réponses aux emplacements prévus.

- Vous devez rendre la totalité du document à la fin de l'épreuve sans en détacher aucune page.

- L'usage d'un dictionnaire bilingue est autorisé. Tout autre matériel est interdit.

- Dès que le sujet vous est remis, assurez-vous qu'il est complet.

Germany's Bright Idea

Every night at 11 p.m., the village of Dörentrup in Germany is thrown into total darkness. Strapped for cash for the past few years, the local council has taken to switching off all the streetlights. But while the scheme saves money, it left residents like Dieter Grote and his wife worrying about their children coming home in the dark. "I discussed the problem with my
5   wife and we thought it must be possible to have the lights available on demand." Grote got in touch with the local utility company Lemgo and noodled a solution: How about turning on the village lights with a simple telephone call? A few months later, Lemgo had developed a special modem and software and, together with Grote, launched Dial4Light, billed as the first project of its kind in Europe.
10   The residents can now switch on the lights on a specific street whenever they like. All they have to do is register for the scheme online and provide a phone number. Each time they need to see in the dark, they call the Dial4Light number and enter the six-digit code – which can be found online or on every lamp in each street – that corresponds to the stretch of road they want lit. Within seconds, the lights are on, and they'll stay on long enough for someone to
15   walk from one end of the street to the other. The scheme is easy for everyone to use.
After a pilot project last year proved a big hit with the public, Dörentrup council has decided to roll out the scheme for the entire village (pop. 9,000). Lemgo estimates it will cut Dörentrup's carbon emissions by some 12 tons each year compared with leaving the streetlights on all night. "We found out that people only switch on the lights up to three times each night,"
20   explains Bräuer, project leader at Lemgo. "That's why this system works in villages or on the outskirts of a town where residents don't need the lights burning all night."
Despite complaints from angry residents worried about their safety, the mayor still defends his decision to flip the switch.

Time, August 10th, 2009 (abridged)

I - COMPRÉHENSION (12 points)

A - Entourer l'expression qui résume le mieux le texte.

1. A new generation of cell phones

2. An innovative solution to prevent blackouts in big cities

3. The lights of the City

4. A clever, cell-phone-based, street-lighting system

B - Citer les quatre opérations successives nécessaires pour activer le système.

1. ....

2. ....

3. ....

4. ....

C - Relever quatre avantages du système cités dans le texte.

1. ....

2. ....

3. ....

4. ....

D – Barrer la proposition (une seule sur les trois proposées) qui ne convient pas.

1 : noodled a solution (1.6)
a: imagined
b: worked out
c: asked for

2 : a big hit (1.16) means the project was
a: widely approved of
b: widely accepted
c: widely refused

3 : to roll out the scheme (1.17) means
a: to restrict the scheme
b: to stretch the scheme
c: to extend the scheme

4 : to flip the switch (1.23) means
a: to switch off the street lights
b: to light up the streets
c: to put out the street lights

E - Vrai ou faux ?
Entourer la bonne réponse et la justifier en citant le texte et en donnant le numéro de la ligne.

1. The German village of Dörentrup is in the dark every night after 11 p.m. for financial reasons.

    VRAI   FAUX

    ....

2. This situation does not pose any problem for the villagers.   VRAI   FAUX

    ....

3. Grote found a partner for his project.   VRAI   FAUX

    ....

4. This kind of project has already been tried out.   VRAI   FAUX

    ....

5. Not all the villagers are happy about the project.   VRAI   FAUX

    ....

F - Traduire de *The residents can now switch on the lights ...* **(ligne 10) à** *... that corresponds to the stretch of road they want lit.* **(ligne 14)**

....

....

....

....

....

....

....

....

....

....

....

II - EXPRESSION (8 points)

Traiter en anglais et en 120 mots minimum, le sujet suivant :

Do you think that the Dial4Light Project is a "bright idea"? Give your reasons.
In your opinion, in what other ways could modern technology be used to save money and protect the environment? Give examples.

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

I - COMPRÉHENSION (12 points)

1. Rédiger, en français, un compte rendu de 150 mots (plus ou moins 10 %), du texte "Germany's Bright Idea".
   Vous indiquerez le nombre de mots à la fin de votre compte rendu.

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

2. Traduire de *The residents can now switch on the lights ...* (ligne 10) à *... that corresponds to the stretch of road they want lit.* (ligne 14))

....

....

....

....

....

....

....

....

....

....

....

....

....

II - EXPRESSION (8 points)

Traiter, en anglais et en 120 mots minimum, le sujet suivant :

Do you think that the Dial4Light Project is a "bright idea" ? Give your reasons.
In your opinion, in what other ways could modern technology be used to save money and protect the environment? Give examples.

....

....

....

....

....

....

....

....

....

....

....

....

....