BTS **S**ERVICES **I**NFORMATIQUES AUX **O**RGANISATIONS

## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

SUJET
N°1

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : Stopping the pandemic of cyber criminals
Source, date : https://www.youtube.com/watch?v=fJOuSuexe3k, Florida Atlantic University, 8 Oct 2018 (2'25)

**EPREUVE ORALE : 20 minutes**

I.  COMPREHENSION DE L'ORAL  *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

I.  INTERACTION  *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps:

1)  Echange **oral** avec le jury **en anglais**  *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

1)  Interaction **écrite** avec le jury **en anglais**  *10 minutes environ*

**SITUATION PROPOSEE:**

You work for a mobile phone company. A client who is concerned with protecting the data on his/her mobile phone contacts you: give him/her some tips on how to protect his/her data on his/her device.

# Stopping the Pandemic of Cyber Criminals

Take a second and think what personal information you have on your phone. In that one second, three devices were hacked by cyber criminals. It's a pandemic. FAU College of Engineering and Computer Science professor Dr. Elias Bou-Harb has established Florida S.O.A.R. which stands for Security Operations and Response. Today, I got a first-hand look at how this program works and how it will protect people like you and me. So what do these symbols mean?

So every dot is basically an infected machine. Meaning this dot, right here, could be your personal computer, tablet, or smartphone. You can see a cluster of these events.

Wow, that's crazy. This means he's controlling a bunch of them in a coordinated fashion.

How long did this take? A few minutes. Thought that was a lot? Check this out. Right now, how are people being notified?

Are they being notified that their computer has been compromised?

You cannot believe how many organizations are infected, and they are victims to cyber threats, and they don't know it. We will have a fully automated platform that is able to detect attacks in real-time, distribute this intelligence to the State of Florida. These automated emails, generated from Florida S.O.A.R. will be sent directly to your Internet providers for them to act.

People are saying the next World War is going to be fought online. It's Cyber War actually.

Now, a lot of attacks that we see on a daily basis are what we call "state-sponsored". So states are actually recruiting attackers. These are malicious attackers that are targeting states, nations, and the nation's critical infrastructure, like power utilities, water dams.

What do we need to do throughout our daily lives to protect ourselves from cyber attacks?

You have to be very weary about what you do online. A lot of emails that you receive are very smart. What we call "phishing attacks".

They look very benign, but if you actually hover over them, with your mouse, you can see that the link in your email address is very suspicious. Be vigilant about the applications that you download on your machines, on your phones. Don't be a very fast adopter of technology.

BTS **S**ERVICES **I**NFORMATIQUES AUX **O**RGANISATIONS

# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

## PRÉPARATION : 20 minutes

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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**Titre du document :** Using Virtual Reality Headsets To Train Workers
**Source, date :** CNBC (January 21, 2019)

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## ÉPREUVE ORALE : 20 minutes

    I.    COMPRÉHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

    II.    INTERACTION        *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

        1)   Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

        2)   Interaction **écrite** avec le jury **en anglais**     *10 minutes environ*

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**SITUATION PROPOSÉE :**

You work for Pixo VR.
You are contacted by the CEO of a company who is considering investing in your VR equipment.
Explain to him/her how VR works and the benefits of this technology for his/her employees.

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# Why Microsoft Uses Virtual Reality Headsets To Train Workers

Virtual Reality hasn't exactly seen the booming success in gaming and entertainment that was once expected. *'Lets do this.'* But this VR has a totally different purpose: keeping workers safe. *'I'm going to go ahead and, say, evacuate in a half mile.'* It could also keep VR alive. *'Wow, looks like we made the right call.'* At a time when headset shipments have been down four of the last five quarters, and just a month after IMAX announced it will close all its VR centers this year. Market forecasts predict spending on virtual and augmented reality headsets for training is expected to reach 2.2 billion dollars by 2022. And companies like start-up Pixo VR are taking notice. *'I think we learned our lesson doing mobile apps… that it's much more difficult, that the budgets aren't necessarily there, and this made a lot more sense for us.'*
Pixo VR made the switch two years ago - from creating video games, to creating training modules. *'Obviously flammable, explosion risk.'* Like this one, which teaches first responders how to identify and react to explosive chemical leaks. *'VR provides an opportunity for people to train in environments that otherwise are impossible — far too risky, far too expensive.'*
By simply putting on an HTC Vive headset, workers can experience life-and-death situations that are impossible to safely recreate in real life. *'Here we go, going up.'* Like a rickety 15-story construction site without solid scaffolding. *'I'm really high up. Oh my Gosh.'* You make a decision. *'I think I'm going to hook it to this rope up here.'*
And suffer the consequences if you choose wrong. *'Oh my God.'* The sensation of falling is so real, it's immediately clear this experience will stick with me. *'I died.'* I'll remember that fall, and which safety measures I should have followed, far longer than I'll remember any PowerPoint slide. *'That felt very real.'* There's research to back this up, too. One study found students have 30 percent better knowledge retention two weeks after learning with VR as opposed to traditional education methods. *'There's a whole bunch of research that shows that if you are human and you interact with something in three dimensions, as opposed to just looking at it on a piece of paper, you understand it much more profoundly and fundamentally. It's just the way that our brains are wired.'*

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## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

SUJET
N°3

## PRÉPARATION : 20 minutes

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

**Titre du document**: A 'Fake News' Detector Actually Silences Alternative Media
**Source, date**: RT America (January 16, 2019)

## ÉPREUVE ORALE : 20 minutes

I. COMPRÉHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II. INTERACTION    *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

1) Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2) Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

**SITUATION PROPOSÉE :**
You work for NewsGuard's technology department. You are contacted by a school headteacher who has read on your website that you offer schools free access to the NewsGuard extension.
She/he wants to know more about Newsguard, how it works and how it can be used at school.
Answer her/his questions and address her/his concerns.

# 'Fake News' Detector Actually Silences Alternative Media

A project called NewsGuard has been making headlines lately. It's supposed to protect media consumers from fake news, but is there a hidden agenda? Let's check in now with RT's Dan Cohen who's live in the newsroom for us with the details. Dan?

Well, Manila, soon most anyone using a computer in the United States will encounter a ranking system that will tell them what media is safe to consume and what isn't. It's called NewsGuard and it describes itself as a news rating agency at the forefront of fighting fake news. It's already installed in dozens of computers and dozens of libraries and public institutions across the country. NewsGuard uses what it calls a nutrition label to rate media outlets either green, yellow or red. Now, if that color-coded system sounds familiar, that might be because its advisory board includes Tom Ridge, the first head of the Department of Homeland Security who devised the infamous terror threat level warning system after 9/11. Also on NewsGuard's advisory board is General Michael Hayden who headed both the CIA and the NSA. There's also Richard Stengel who oversaw public diplomacy in the Obama administration and has publicly endorsed propagandizing American citizens. "My old job at the State Department was what people used to joke as the 'chief propagandist' job. We haven't talked about propaganda. Propaganda… I'm not against propaganda. Every country does it and they have to do it to their own population and I don't necessarily think it's that awful and this idea of…"

News guard has been promoted across the spectrum of mainstream media outlets including the New York Times, MSNBC and also by former Fox News anchor Bill O'Reilly. No surprise, NewsGuard has determined that this network RT is unsafe for human consumption. Instead, they say 'Go with Fox News or Voice of America'. But it's not only RT that NewsGuard has deemed detrimental. Independent media outlets like Mint Press News are under attack too.

'It's very very scary because this new tool is really a censorship tool that's going to soon be integrated within all of US technological systems. It's going to be unavoidable, it's not voluntary, it's going to be forced upon us and it's going to ensure that the narratives that promote war, the narratives that promote the exploitation of people at home here in the United States and abroad, is being promoted.'

## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

SUJET
N°4

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : **Jenny Kam White Hat hacker**

Source, date : CISCO  12/10/2018          durée 1'40

**EPREUVE ORALE : 20 minutes**

    I.    COMPREHENSION DE L'ORAL   *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

    II.    INTERACTION     *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

       1)  Echange **oral** avec le jury **en anglais**   *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

       2)  Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

**Situation:**

You are a cybersecurity expert. The CEO of an insurance company has contacted you to get your advice on security issues. Explain to her/him how to protect her/his business from cyber attacks.

**Jenny Kam : White Hat Hacker    CISCO (worldwide leader in IT) 13/10/2018**

"My name is Jenny Kam, I work for a security and trust organization as a security researcher. Specifically I check out the firmware and hardware of Cisco products for vulnerabilities.

When I was looking for a full time job to move back to Texas, Cisco asked:
 "Do you want to break things instead of build things?"
 I told them "I'm a developer, nobody trained me on hacking, that's not my thing".
They explained to me, "for the purpose of improving the security of all our products."

And so I just gave it a shot, not really knowing how this would turn out. Breaking things is easier than making things because you only need one little hole to get it to break in but otherwise you have to secure everything. Kind of like a house, you just have to leave one door open but you could have locked every other window and every other door and you can still get in.

What excites me about cyber-security is the same thing that excites me about technology, is the fact that it always changes, there's always something new to learn but the bonus of cyber-security is that it moves faster because there are adversaries out there. They're thinking on their feet: "how do we stay ahead of the game?"

 The attention that has been drawn to hacking (cars, voting machines and medical devices), I think, have given a purpose to hardware hacking a real life critical "we need to secure these items" purpose. As part of Cisco, we try to change the way we live, work, play, learn and now we're also trying to secure the way we live, work, play, learn."

BTS SERVICES INFORMATIQUES AUX ORGANISATIONS

## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

SUJET
N°5

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : 5G Transforms Data Center Networks
Source, date : colocationamerica.com / Youtube Dec 2018 2'28

**EPREUVE ORALE : 20 minutes**

I.   COMPREHENSION DE L'ORAL   *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.   INTERACTION   *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

1)   Echange **oral** avec le jury **en anglais**   *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2)   Interaction **écrite** avec le jury **en anglais**   *10 minutes environ*

**SITUATION PROPOSEE:**
**You work for a data center company. You are present at the Consumer Electronics Show. Today is general public open doors day. You meet someone who would like to know where the Internet and smartphone data are stored. You tell him/her illustrating your explanations because the person is not a specialist.**

# Cisco: 5G Transforms Data Center Networks SCRIPT

"You've been through some changes here at Cisco. How ... , the industry has been changing too,  How is the datacenter networking requirements changing over time with the emergence of IOT and edge computing and new new applications like that?"

"Yeah absolutely. I think if we look at the last... call it ... five to seven years of how how (bafouille) ultimately end users and our customers have been changing their business models and changing how they use networks, it's had a profound impact on the data center.

Emm...you mentioned a couple of the big ones that are happening right now but even before that as you know the explosion of mobile devices, er now new IOT devices,  it creates a tremendous, it changes the traffic patterns and it changes the applications being used as well. And so ultimately in the data center the way it manifests up all of those devices are touching some kind of application that eventually hits a data center that one of our customers own whether that's a physical data center or a logical place in the cloud. And so that explosion adds a ton of complexity, it adds a ton of new endpoints and a ton of new applications that also change the traffic pattern. So you know the traffic patterns are now more east-west as opposed to north-south within a data center,  the number of the scale of those applications have to change dramatically because as you have more endpoints, more IOT devices connecting back to it. 5G will have the same effect it changes the scale and the flexibility you have to build data centers and in general it just makes it a much more dynamic environment."

"Okay you mentioned 5G how are we going to see 5G changing in particular how is that going to change?"

" So it'll have two big effects actually one as the service providers who are delivering these services it'll change their environments and their networks so rather than being kind of transport from the edge back to a central core they'll build out what is essentially small data centers in a distributed fashion in their entire network. So that's one big profound change and that also changes of course how the networks are designed and configured and and then the sheer scale of those data centers.
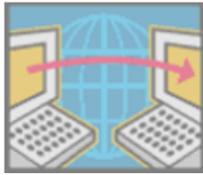
# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE
## Epreuve orale

Session 2021

SUJET N°6

## PREPARATION : 20 minutes

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

**Titre du document** : Is Facial Recognition Technology an invasion of privacy ?  (2m25)

**Source, date :**  Sky News   21/5/19

## EPREUVE ORALE : 20 minutes

 I. COMPREHENSION DE L'ORAL   *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

 II. INTERACTION  *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

 1) Echange **oral** avec le jury **en anglais**  *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

 2) Interaction **écrite** avec le jury **en anglais**  *10 minutes environ*

SITUATION PROPOSEE

You are an IT specialist working for Digital Barriers, the company that makes facial recognition software & devices.

The CEO of a large chemical production plant contacts you. Give him / her information about the possible applications of your devices in his/her factory & offices.

Tell him / her about the advantages but possible privacy issues.

Script :   IS FACIAL RECOGNITION TECHNOLOGY AN INVASION OF PRIVACY ?
2021

21/5/19   Sky News   2mn25

Journalist : We're used to being watched , the eyes are everywhere, silently recording our every move .Now something is different.
Facial recognition software can now pick out persons of interest even on a crowded street .
Problem ?  Yes,aAccording to this man ,the claimant in the first case against police  use of facial recognition which starts today.


**Complainant  Ed Bridges** : *« What happened was that I popped out from my office to go get a sandwich for lunchtime & I was walking down the main pedestrain shopping street in Cardiff, & there was a police van there. There was no signage,  no policeman giving out any information. So by the time you got close enough to see the words ' facial recognition technology' on it , you'd already had your biometric data scanned & captured. And that struck me as a fundamental breach of my privacy as a law-abiding citizen.*

*No-body in the 2017 Champion's League Final gave permission for their faces to be scanned but South Wales  police did so all the same .*

***Lawyer Liberty : Megan Goulding*** *: They've been pioneering this technnology on behalf of the goverment , so they have government funding . They've used it on over 50 occasions , so it's a really important moment to stop & say ' Do we want this on our streets ?'  & we say No.*

*No or Yes ? Adecision is urgent because facial recognition is coming fast.*

*This company's put their facial recognition software in body-worn cameras .....It picks me up, no problem even from 200 m.*

*The reason  my face is being recognised right now is because I've sent this company my photo ,but in the real world the photos would come from  police & counter-terrorism.*

*The big question for civil liberties is not who makes the technology , it's who controls the database of photos ?*

*CEO Digital Barriers  Zak Doffman : It is a use of  technology that the police want to use for the right reasons.They want to help keep the public safe, they want to take bad guys off the street & that shouldn't cause anyone any concern.*

*Who watches the watchers ?, the oldest question of justice needs a new answer , for eyes that now have brains.*

*Roland Manthel  Sky News.*
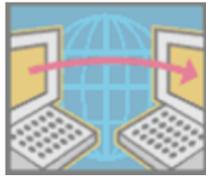
BTS SERVICES INFORMATIQUES AUX ORGANISATIONS

**EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE**
**Epreuve orale**

Session 2021

SUJET
N°7

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : **AI 5G in daily life, 2020 Consumer Electronic show in Las Vegas**

Source, date: News Center– January 2020 - (2'23)

**EPREUVE ORALE : 20 minutes**

I.   COMPREHENSION DE L'ORAL          *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.   INTERACTION          *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

    1)  Echange **oral** avec le jury **en anglais** *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

    2)  Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

**Situation:**
You have just returned from this year's "Consumer Electronics Show", in Las Vegas. Your manager contacts you & wants to know about some of the future AI products you have seen at the show.
Be ready to discuss some of the advantages & disadvantages.

BTS_2021_SIO_AI 5G in daily life_script_

We're just days away from the year's biggest Expo for consumer tech products the 2020 Consumer Electronics Show in Las Vegas. Korean tech giant's Samsung and LG will take center stage with exciting new products featuring AI and 5g.

Also Young reports: " all aspects of life are about to get smarter faster and even more connected at the 2020 Consumer Electronics Show. The world's largest IT exhibition opens in Las Vegas on Tuesday local time and global tech giants are set to reveal new gadgets and solutions that incorporate artificial intelligence 5g and IOT. These range from cars that use Alexa 5g robots and healthcare devices that monitor your brain to fridges from LG and Samsung that give you ideas about what you can cook up with your leftover ingredients."

Chang :" in 2019 we saw a huge increase in the number of households acquiring smart speakers. In 2020 this trend will continue and we'll see more personalized services based on AI speakers and other smart devices such as smart watches from healthcare and personal banking to mobility solutions. These will continuously become more and more personalized through AI."

" Samsung has been offering teasers about its so-called artificial human neon.  The tech giant hasn't further described what the technology ins house except to shoot down rumors that it will be like the company's AI system Bixby. Amazon and Google are also expected to fight for dominance in the smartphone market by rolling out their own AI voice assistance into the most connected technologies.

 Mobility services are also expected to go on and much attention this year with electric bike scooters and self-driving automobile technology along with infotainment and safety solutions.

Hyundai Motor is even preparing to unveil air taxi services at the show.

Of course CES has traditionally been all about dazzling TV displays.

Samsung Electronics is set to unveil its frameless TVs and show off its a.k displays.

LG Electronics is also expected to reveal its new 8k screens which are the industry's first to be certified as Ultra HD.

During the four-day exhibition some 4,500 companies from 155 countries are expected to showcase their latest digital technologies. But what will be the talk of the show and the rest of the year in tech we can only find out once the show begins.

young Arirang news
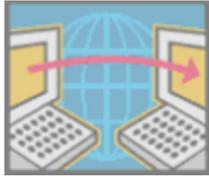
**EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE**
**Epreuve orale**

Session 2021

SUJET
N°8

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : **Meet the robots at Amazon**

Source, date : Nova PBS – May 2018 - (2'27)

**EPREUVE ORALE : 20 minutes**

    I.    COMPREHENSION DE L'ORAL       *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

    II.    INTERACTION       *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

    1) Echange **oral** avec le jury **en anglais** *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

    2) Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

**Situation:**

You work for Amazon in IT working with robots. A journalist contacts you & wants to know how this technology is used at Amazon. Give him/her information & be ready to defend your company's position.

On the ranking of things to worry about, Skynet coming and taking over doesn't even rank in the top ten. It distracts attention from the more urgent things, like for example, what's going to happen to jobs.

Narrator: for a glimpse into the future, consider one of the largest companies on the planet - Amazon.

Tye Brady: Amazon has tremendous scale. We have fulfillment centers that area as large as 1.25 million square feet. That's like 23 football fields, and in it we'll have just millions of products.

Narrator: to deal with that scale, Amazon has built an army of robots.

Brady: Like a marching army of ants that can constantly change its goals based on the situation at hand. So, our robots are very adaptive, and reactive, in order to extend human capability to allow for more efficiencies within our own buildings.

Narrator: and there's plenty more where those came from.

Every day, this facility in Boston 'graduates' a new batch of machines.

Brady: all of the robots that you see that are moving the pods have been built right here in Boston. I call it the nursery, where the robots are born. They'll built, they'll take their first breath of air, they'll do their own diagnostics. Once they're good, then they'll line up for robot graduation, and then they will swing their tassels to the appropriate side, drive themselves right onto a pallet, and go directly to a fulfillment center.

Narrator: to some of us,this moment belies a dark sign of what's to come- a future that doesn't need us, one where all jobs – not just cab drivers and truckers – are taken by machines. But Amazon's chief roboticist doesn't see it that way.

Brady: the fact is really plain and simple: the more robots we add to our fulfillment centres, the more jobs we are creating. The robots do not build themselves. Human design them, humans build them, humans deploy them, humans support them. then humans, most importantly, interact with the robots. When you look at that, this enables growth, and growth enables jobs.

Narrator: certainly, history would seem to bear him out - since the Industrial Revolution, new technologies, while displacing some jobs – have created new ones. While this is the predominant view in the A.I. community, some think it ignores the reality of today's world.

Peter Singer: there's a long history of technology creators assuming that only good things would happen with their baby when it went out into the world. Even if there are some new jobs created somewhere, the vast majority of people are not easily going to be able to shift into them. That truck driver who loses their job to a driveless truck  isn't going to easily become an app developer out in Silicon Valley.
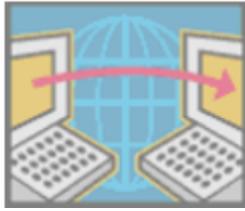
BTS **S**ERVICES **I**NFORMATIQUES **A**UX **O**RGANISATIONS

# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

SUJET
N°9

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document :  A look inside the hacktivist world

Source, date : https://www.youtube.com/watch?v=kstJaHL6dG4, 17 January 2020  (2'25)

**EPREUVE ORALE : 20 minutes**

I.      COMPREHENSION DE L'ORAL     *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.  INTERACTION                *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

1)      Echange **oral** avec le jury **en anglais**     *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2)   Interaction **écrite** avec le jury **en anglais**     *10 minutes environ*

SITUATION PROPOSEE:

You are an IT specialist and a journalist contacts you to have information on hackers (white hats, black hats) and cybersecurity.

You will answer his/her questions and try to explain the challenges of cybersecurity.

# A look inside the hacktivist world (France 24)

**_Presenter_**: Hello and welcome to the show. You are watching Tech 24 and I am Julia Siegar. He used to operate under the name Topiary for hacktivist groups such as Anonymous and LulzSed, today Jake Davis has taken up a formal career as a cyber security consultant. He tells us more about his life on the dark net and what he is now doing to raise awareness about its dangers. Now a recent report has found that hacktivist attacks have virtually been eliminated since 2015. This is mainly due to a sustained crackdown by law enforcement officials that have fend out hacktivist ranks, and also to the disintegration of the anonymous hacking collective, which is said to have been responsible for nearly 45% of all security breaches. Colin Kinninburgh takes a look at the rise and fall of hacktivists.

**_Colin Kinninburgh_** : It was once one of the most notorious names on the internet. Anonymous, the global group of tech vigilantes who claimed to use their hacking skills for good.

"We are held by code of honour to protect those who are defenceless, both in the cyber world and the real world."

In the group's heyday, from 2011 until 2015, Anonymous hackers carried out major cyber attacks on targets ranging from Sony to the Syrian government, from the Westboro Baptist Church and the KKK to Child pornography sites and the Islamic state group. Altogether, Anonymous was linked to almost half of major hacktivist attacks worldwide, according to one estimate. But many other groups were using the tactic too; from LulzSec to the lizard squad to the Kurdistan Workers' party or PKK.

Over the last decade, dozens of hacktivists have been arrested across several countries leading to a sharp drop in their activities. A report published by IBM found that hacktivist attacks declined by 95% in 4 years, down from 35 publicly reported attacks in 2015, to just 2 in 2018. Hacktivists dispute such a drop, but one thing is clear – a growing number of former hackers are crossing to the other side, taking their skills to top tech companies, cyber security firms and even banks. In hacker terms, they traded their black hats for white ones.

## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

> SUJET
> N°10

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document : Light Commands Overview
Source, date : lightcommands.com, https://www.youtube.com/watch?v=ORji7Tz5GiI, November, 4th 2019 (2'24)

---

**EPREUVE ORALE: 20 minutes**

    I.    COMPREHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

    II.    INTERACTION    *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

    1)   Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

    2)   Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

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**SITUATION PROPOSEE:**
You work as a security expert. You have been contacted by the boss of a small company who is concerned about voice assistant security both on a corporate and personal levels. Answer his questions and advise him/her as best as you can.

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Light commands overview, lightcommands.com, UEC Tokyo, CSE Michigan

https://www.youtube.com/watch?v=ORji7Tz5GiI

In May 2019 researchers from Japan and the University of Michigan discoveres light commands, a vulnerability in most microphones that allows attackers to remotely inject commands into voice assistants such as Google Assistant, Alexa and Siri. So how do light commands work and how can we defend against them ?

Voice assistants operate on commands spoken by the user such as Alexa « What's the weather ? » or « OK Google, unlock the front door! » While the security of voice assistant is a common concern enable assistant devices are typically kept indoors where access is restricted to only legitimate users so why are light commands so dangerous ?

To understand light commands let's take a look at how microphones work. Microphones convert sound into electrical signals. Inside each microphone there is a small plate called the diaphragm. When sounds hits the diaphragm it moves, resulting in electrical signals. An attacker may try to move the diaphragm by yelling from outside. However, as solid objects block sound, the command will probably be ignored as well as noticed by nearby neighbours. Light commands on the other hand exploit different tactics. Instead of sound, an attacker can encode commands via the intensity of a laser light beam. By shining a laser light through the window at the microphone an attacker can remotely cause the diaphragm to move. This results in electrical signals representing the attacker's commands which are then acted upon by Alexa, Google Assistant or Siri. Making things worse, light commands can be mounted easily and cheaply even using regular laser pointers. This can even been done from far away, for example between two buildings. Even more worrying, once an attacker has gained control over a voice assistant inside a phone, tablet or smart speaker, they can use it to break other systems. For example, the attacker can control smart home switches, make online purchases, open smart garage doors, remotely unlock and start certain vehicles or open smart locks by brute forcing the user's pin number. So how can we defend against light commands ?

Well, the basic vulnerability cannot be addressed without expensive microphone redesign. We are collaborating with Amazon, Google, Apple as well as other vendors on defensive measures. If you would like to know more check us out at lightcommands.com
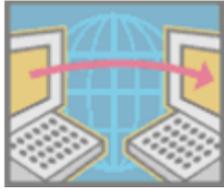
# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

## PREPARATION : 20 minutes

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document: Facial recognition cameras to be turned on in London

Source, dates: https://www.youtube.com/watch?v=IIO62H3HXd0, Sky News, 24 Jan 2020     durée 1'55

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## EPREUVE ORALE : 20 minutes

I.   COMPREHENSION DE L'ORAL   *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

I.   INTERACTION        *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps:

1)   Echange **oral** avec le jury **en anglais**     *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

1)   Interaction **écrite** avec le jury **en anglais**        *10 minutes environ*

---

**SITUATION PROPOSEE:**

You are an IT specialist specialised in facial recognition. You have been contacted by the head of the police department to help them decide if they should install the technology in their city.

Explain how cameras work and what the advantages and drawbacks of this system would be.

---

# Facial recognition cameras to be turned on in London

It has trialled the technology now it's to begin using it for real. Scotland Yard's says facial recognition cameras will be vital in spotting criminal suspects and missing and vulnerable people. Police say the system won't retain images of anybody not on a watch list. Every image that is looked at by the technology, if there is no match, it's instantaneously deleted so it's a momentary comparison. If it's not a match, it's instantaneously deleted. The only images that are retained are those where there's been an alert and they are retained for a maximum of 31 days.

But privacy campaigners say the move is a stain on the new government's human rights record. Never before have members of the public been treated like walking ID cards, subjected to an ongoing police line-up. That our identities have to be biometrically checked to make sure we're not criminals that's a complete inversion of the traditional presumption of innocence. That is so at the heart of British civil liberties and that's why I think this is none the less than an assault on our rights.

Police say the technology works like this: the faces of anyone not on a watch list appear pixelated. This is what happens when a suspect above is caught in the crowd below. The potential match alerts officers on the ground and they decide whether to approach the suspect. At least three police forces have been piloting the technology. Here the South Wales force used it to monitor football fans when one passer-by challenged its use for High Court. Back to the police, there are conflicting statistics about the accuracy of facial recognition technology. The home office said it fully supported police in its use.

# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

> **SUJET N°12**

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document : **How secure are Alexa and Google Home?**

Source, date : WCPO.com – May 2018 - (2'13)

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**EPREUVE ORALE : 20 minutes**

I.   COMPREHENSION DE L'ORAL   *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.   INTERACTION   *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

1)   Echange **oral** avec le jury **en anglais**   *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2)   Interaction **écrite** avec le jury **en anglais**   *10 minutes environ*

---

**Situation:**

You are a security expert. You have been contacted by the owner of a small hotel who wants to have smart speakers installed in her/his 20 rooms. Explain to her/him how virtual assistants work as well as the pros and cons of installing them in hotel rooms.

---

**BTS2021_SIO_How secure are Alexa and Google Home_script_ Smart homes are here to stay**

Millions of Americans now have an Amazon Alexa or a Google home assistant and are adding video doorbells and other automation features but how can you make sure you're keeping your family safe and not sharing your most private moments with the world?

It all started with Amazon's echo

Alexa play some soft music

Soon we were were using voice assistants to ask who's at the front door and adjust the lights

Alexa set kitchen lights to 100%

ok

They all come on 100%

Now two years later digital assistants are flying off the shelves here at Best Buy loved by busy moms like Amanda Compton

That does a lot of work for you when you have kids it kind of helps out a lot

The first thing you'll notice when you're looking at smart home devices is that there's two different universes you've got Google home and you've got Amazon's echo

Alexa comes in many shapes and sizes

Which is better Best Buy's Bryan Gibson says it's really just personal choice

We have the Google Home

Both sell for around a hundred dollars and will control cameras

You have the outdoor camera the indoor cameras

your thermostat

you say "hey Google turn the temperature down to 65 degrees"

Smart lights even smart door locks but some security experts are sounding the alarm

If someone can break in let's say your washing machine and then break into your door lock they could potentially unlock your house

IT consultant David Hatter says one weak link can let a hacker watch your video cameras maybe even access your bank account

If you just grab them tomorrow buy a nest thermostat and plug it in and don't change any of the settings you're ripe for hacking

Hatter says to protect yourself change the default password on every smart device, put the PC used for banking on a separate Wi-Fi network if possible and keep Alexa out of your bedroom because you can't be 100% certain it's not listening

Are they always listening?

Well that's debatable this has been all over the map

In theory they're not recording things until you say whatever the activation phrase is

Best Buy's Bryan Gibson says the good news is you can tone down the technology such as setting lock so they won't open doors by voice

It won't unlock your door

And that might give you some peace of mind
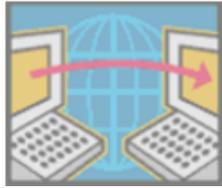
BTS SERVICES INFORMATIQUES AUX ORGANISATIONS

# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

SUJET
N°13

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document:  **How China is using Artificial Intelligence in classrooms**

Source, dates: The Wall Street Journal  -  01.10.2019  -  (1'44)

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**EPREUVE ORALE : 20 minutes**

      I.     COMPREHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

      II.    INTERACTION       *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

      1)     Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

      2)     Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

---

**SITUATION PROPOSEE:**
You work as an AI expert.
The headmaster of a school is asked to experiment Artificial Intelligence education in his classes.
He contacts you to know more about it.

---

# How China is Using Artificial Intelligence in Classrooms

Teachers at this Primary school in China- (speaking in foreign language) – know exactly when someone isn't paying attention. (speaking in foreign language) These headbands measure each student's level of concentration. The information is then directly sent to the teacher's computer and to parents.

China has big plans to become a global leader in artificial intelligence. It has enabled a cashless economy, where people make purchases with their faces. A giant network of surveillance cameras with facial recognition helps police monitor citizens.

Meanwhile, some schools offer glimpses of what the future of high tech education in the country might look like. (speaking in foreign language) Classrooms have robots that analyze students' health and engagement levels. Students wear uniforms that track their locations. There are even surveillance cameras that monitor how often students check their phones or yawn during classes.

These gadgets have alarmed Chinese netizens. But schools say it wasn't hard for them getting parental consent to enroll kids into what is one of the world's largest experiments in AI education. A program that's supposed to boost students' grades while also feeding powerful algorithms. (speaking in foreign language : It's for our country and research development, I don't think it's a problem). The Government has poured billions of dollars into the project. Bringing together tech giants, start-ups and schools.

## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE
### Epreuve orale

Session 2021

Sujet N°14

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : Working at Microsoft

Source, date: Microsoft  18/08/2018    durée 2'18

**EPREUVE ORALE : 20 minutes**

I.   COMPREHENSION DE L'ORAL   *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.   INTERACTION         *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

1)   Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2)   Interaction **écrite** avec le jury **en anglais**      *10 minutes environ*

**Situation:**

You work as a computer scientist at Microsoft. A friend of yours, who is currently working for a small start-up company as an IT technician, is considering working at Microsoft : he/she asks you about the advantages of working for a big IT company.

**WORKING AT MICROSOFT**                    18/08/2018

*Many staff members speak about their experiences:*

"I love the respect that comes with working for such a large company, and the impact. I fixed a bug that impacted 100,000 customers and I did it in seconds. And that's crazy! Nothing that I do touches that many people."
"It doesn't matter really what product you're working on, if it's leaving the 4 walls of Microsoft, it's going to impact at least millions of people."
"That motivation alone really changes your whole compass. Everyone is very supportive and everyone has a growth mindset and they want to learn more."
"Microsoft supports you on developing yourself as an individual because they understand if, as an individual you developed, you'll end up only helping and bettering the company."
"Managers really encourage you to get involved in other things, outside of work, whether that's doing a hackathon* or being part of the Give Campaign because it's such a big part of Microsoft's culture."
"One of the biggest passions I have is teaching younger students, specifically girls, that computer science can be a girl thing. It is awesome that Microsoft supports me using my work hours to teach these middle school girls."
"I DJ both in Seattle and across the country on week-ends. Because I was able to share those different things with my manager and my team mates, now I'm DJing for events within the company and my team mates are hiring me for their events."
"We are encouraged to continue learning."
"My team is ok that I'm gone every once in a while for diversity recruiting or a conference to learn and better myself."
"I really love working at a company that has a mission statement that is so relatable."
"We know that we want to empower every single human on this planet to do more."
"A company that encourages diversity and inclusion where I, being a woman Latina in tech, feel a 100% supported and encouraged to share my thoughts. It really makes the picture complete."
"I wholehearted believe I'm making an impact in people's lives. There's not too many feelings in this world that make you feel better than that."
"I'm just inspired everyday. The culture itself is inspiring, the people around me are inspiring and what the company allows us to do, both inside the office and out, makes me excited about the future at Microsoft."

A **hackathon** (also known as a hack day, hackfest or codefest) is a design sprint-like event in which computer programmers and others involved in software development, including graphic designers, interface designers, project managers, and others, often including domain experts, collaborate intensively on software projects.
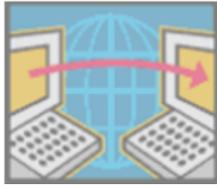
BTS **S**ERVICES **I**NFORMATIQUES AUX **O**RGANISATIONS

# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

### PREPARATION : 20 minutes

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document : **Is artificial intelligence the future of education? (2'30)**

Source, date : https://www.cnn.com › alef-education-abu-dhabi-vision.cnn-business,  2019/02/13
        Reporter: Matt Rivers

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### EPREUVE ORALE : 20 minutes

I.    COMPREHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.    INTERACTION        *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps:

1)    Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2)    Interaction **écrite** avec le jury **en anglais**        *10 minutes environ*

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SITUATION PROPOSEE:

**You are an IT specialist working for the Department for Education.**

**A student has a presentation to give on classrooms of the future. He / She contacts you to know what IT has changed in classrooms (new structures/ new methods of teaching) and what the future evolutions could be (do not just concentrate on Artificial Intelligence).**

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# Is artificial intelligence the future of education?
## February 13, 2019

Matt Rivers: A timeless scene that has been played out in schools around the world for centuries. Young students enjoying their break between lessons. But back in the classrooms of this school in Abu Dhabi, a transformation is happening.

"Computer": In this lesson, you learn to solve equations with rational coefficients.

Matt Rivers: Whiteboards, markers and books have been replaced with interactive calendars, digital avatars and laptops.

Teacher: Let's solve this equation together.

Matt Rivers: 14-year-old Mariam Mohammad is just one of 25,000 students in the UAE and the US being taught through the Alef Education platform.

Mariam Mohammad: When we were (was in the video!) using books, it was, like, so boring. So, it's nice to use new technology and learning not in a traditional way.

Matt Rivers: Founded in Abu Dhabi in 2015, the online program is using technology to disrupt traditional education in the classroom. Children are encouraged to create their own avatar. And through the use of videos, animation, digital content and questions along the way, the Alef platform aids learning. At his headquarters in Abu Dhabi, in a secured control room, analysts use artificial intelligence to make sense of the reams of information coming in.

Geoffrey Alphonso -CEO, Alef Education-: … we capture millions of data points on a daily basis. A human could not process that many data points.

Matt Rivers: The premise is simple. If a pupil struggles with a concept, the system adapts and presents the lesson again in a form more tailored to the student. The result is reframing the future of education.

Geoffrey Alphonso: Wouldn't it be great if you could look at artificial intelligence and data to drive kids into the right careers, into the right choices, post-secondary education?

Matt Rivers: When it comes to adopting AI technology, the United Arab Emirates is one country leading the way. But with artificial intelligence expected to generate $96 billion towards the economy by 2030, some are worried that this technology comes at a cost, with a growing debate over whether the benefits outweigh increased screen time for children or potential privacy concerns.

Geoffrey Alphonso: We don't capture information that is sensitive essentially, to protect the privacy of the student.

Matt Rivers: Access and opportunity. Alef hopes that its platform can enable the next generation to receive a 21st-century education.

Matt Rivers: Matt Rivers, CNN

BTS SERVICES INFORMATIQUES AUX ORGANISATIONS

## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

SUJET
N°16

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**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

Titre du document : US launches investigation into France's plan to tax tech companies

Source, date : France24 English, July 11, 2019   YT  (1'46)

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**EPREUVE ORALE : 20 minutes**

I.    COMPREHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

II.    INTERACTION    *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

1)    Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

2)    Interaction **écrite** avec le jury **en anglais**    *10 minutes environ*

**SITUATION PROPOSEE:**
**During a job interview, your future boss asks for your opinion about the GAFA tax. As a professional of the tech**

**industry, tell him/her what you think the advantages and/or drawbacks of such a tax are.**

**US launches investigation into France's plan to tax tech companies**
July 11, 2019. France24English YT  1'47

A digital dust-up : France's planned tax on tech giants is now under investigation by the office of Trade Representative Robert Lighthizer, giving the office wide latitude to investigate unfair trade practices.
« The US is very concerned that the digital services tax that is expected to pass the French Senate tomorrow unfairly targets American companies. »
France's plan is nicknamed the GAFA tax, after US tech giants Google, Amazon, Facebook and Apple. Such companies routinely funnel their European revenues through headquarters in low-tax countries like Ireland or Luxembourg, avoiding taxes in European countries where revenues are actually generated. The French plan, announced in March, would take 3% of digital sales in France, from companies that have global revenues of over €750 million and French revenue of more than €25 million.
Finance Minister Bruno Le Maire says the tax would affect around 30 companies and that it could raise €500 million a year.

Bruno LM : Today, the largest digital companies, those that make the most profit, pay 14 tax points less than any other company in France. The situation is NOT sustainable.

The US probe known as « the section 301 investigation » is the same method Trump has used in his trade war with China, leading to fears of new tariffs or trade restrictions on French goods - a move even tech industry lobbyists have urged against.

Other European countries have launched their own digital tax efforts after an EU-wide measure failed earlier this year. The Organization for Economic Cooperation and Development says it is working on a world-wide solution for taxing digital firms by 2020.
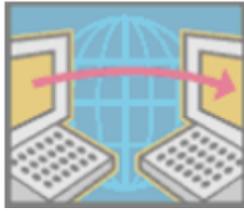
## EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

### Epreuve orale

Session 2021

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document: **California's new privacy law: Everything you need to know. (2'30)**

Source, date : https://www.cnet.com, December 25, 2019

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**EPREUVE ORALE : 20 minutes**

  I.    COMPREHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

  II.    INTERACTION           *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

   1)   Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

   2)   Interaction **écrite** avec le jury **en anglais**        *10 minutes environ*

---

**SITUATION PROPOSEE:**

You are an IT specialist advising on legal matters surrounding data protection/privacy.

An Internet user contacts you on a forum to know more about the dangers, precautions to be taken and the laws that may exist to protect him/her.

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# California's new privacy law: Everything you need to know

DECEMBER 25, 2019

**[Screen] THE CALIFORNIA CONSUMER PRIVACY ACT GOES INTO EFFECT ON JANUARY 1, 2020… IT'S THE TOUGHEST PRIVACY LAW IN THE US**

Laura Hautala, Cnet reporter: "The California Consumer Privacy Act is a new law that gives people in California more control over what happens to their personal information. To be clear, your personal information includes your name, address, and phone number. As well as things like browsing history, biometric information and identifiers that reveal which device you're using. It also covers data that characterizes you like your marital status, age, race or religion.

**[Screen]  WHAT RIGHTS DOES THE NEW LAW PROVIDE?**

Laura Hautala, Cnet reporter: In California, you'll have the right to ask companies what data they have on you. You can also ask them not to sell your information and even delete it. You have to actively opt out of having your data sold. But once you do companies can't bug you again for a year. And even better for consumers, the law defines selling broadly, so companies can't exchange your information for a valuable consideration. That could apply to social networks who may use your data to lure advertisers. The Office of the State Attorney General is tasked with enforcing the law and will act on complaints from residents. That means, you can't directly sue companies that violate the law, but the state can go after them.

**[Screen] [WHAT KINDS OF COMPANIES DOES THIS LAW APPLY TO?]** The law applies to for-profit companies doing business in California. The state has a population of almost 40 million people. So, it's a huge marketplace and any company doing business in the US is going to be looking at how to comply with this law. It doesn't just apply to data that companies get about you when you use the internet. For example, retailers that get your email address at the cash register will also have to follow the law.

**[Screen] I DON'T LIVE IN CALIFORNIA. DOES THIS LAW AFFECT ME?**

Laura Hautala, Cnet reporter: If you live in another US state, this law will almost definitely affect you. First of all, some companies will choose to offer the rights ???? requires to all of their customers because sorting out who does and doesn't live in California isn't worth it to them. Second of all, other states tend to take inspiration from California when it comes to state laws. Several more states are considering comprehensive privacy laws. And Maine and Nevada had each passed legislation of their own.

**[Screen] [HOW IS THIS DIFFERENT THAN THE GDPR IN EUROPE?]**

Laura Hautala, Cnet reporter: The general data protection regulation is a law in the European Union that offers a lot of the same rights to residents there. But it's tougher than California's law, companies doing business in the EU have to minimize the amount of data they collect and they have to have a valid reason to collect the data to begin with. While California's law doesn't go that far, it's the strongest protection that consumer information in the US to date.
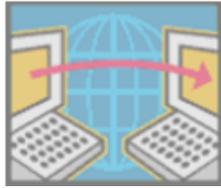
BTS **S**ERVICES **I**NFORMATIQUES AUX **O**RGANISATIONS

# EXPRESSION ET COMMUNICATION EN LANGUE ANGLAISE

## Epreuve orale

Session 2021

**PREPARATION : 20 minutes**

Vous disposez d'un ou deux document(s) sonore(s) ou audio-visuel(s) que vous pouvez écouter ou visionner autant de fois que vous le souhaitez.

Vous avez droit au dictionnaire unilingue pendant la préparation de l'épreuve.

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Titre du document : **The 5G mass-experiment : big promises, unknown risks**

Source, date: investigate-europe.eu – January 2019 - (2'16)

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**EPREUVE ORALE : 20 minutes**

   I.    COMPREHENSION DE L'ORAL    *environ 5 minutes*

Compte-rendu **à l'oral** et **en français** du ou des document(s) sonore(s) ou audiovisuel(s) fourni(s).

   II.    INTERACTION        *15 minutes maximum*

Vous traiterez la situation proposée dans l'encadré ci-dessous en deux temps :

   1)    Echange **oral** avec le jury **en anglais**    *5 minutes maximum*

Vous expliciterez la tâche que vous devez remplir et pourrez demander des précisions sur votre rôle, le contexte ou la situation.

   2)    Interaction **écrite** avec le jury **en anglais**        *10 minutes environ*

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**Situation:**

You are a security expert. The manager of a small company has contacted you to get advice on 5G. Tell him / her how this technology works but also what the pros and cons are.

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**BTS_2021_SIO_the 5G mass experiment big promises unknown risks_script_**

There's a revolution on the way. It's the 5G revolution. Although some say this will be more more  like an experiment that will affect billions of people.
 5G stands for 5th generation mobile services.The internet will be faster than ever. Downloading a high definition movie will take mere seconds. By 2025 the European Commission is planning for all urban areas across the continent to have seamless 5G coverage.This will enable a new age in the Internet of Things. Smart driverless cars and smart hospitals, smart fridges, coffee makers and even baby diapers.But what citizens are not told is that for this to happen, countless new antennas will be added in our neighbourhoods, our workplaces, even in our homes. Are mobile communications dangerous? The scientific community is divided. Some experts maintain they are safe. Others have serious concerns. In 2011, the WHO classified electromagnetic fields associated with cellphones  as "possibly carcinogenic to humans" And studies published in 2018 showed that when rats were exposed to such fields it increased their risk of certain types of cancer.Even among those who believe the technology is safe, many admit that more studies are needed. And for 5G there are almost no studies.Telecom companies themselves have noted that "Electromagnetic signals may pose health risks. So why are the EU Commission and our governments turning a blind eye? They cite guidelines established by transnational scientific bodies. But Investigate Europe has found that these bodies are closed clubs: people with dissenting opinions are not invited in. And, a significant number of the scientists involved have received funding from companies with vested interests in the 5G roll-out.There is no risk-free society. Other things we consume are also bad for our healthfrom alcohol to junk food. But if you don't want a hamburger, you can simply avoid hamburgers. With 5G there is no opt out.

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