7. SMART CITIES

I. Brainstorming: what is a smart city?

……
……

II. Listening comprehension

The Smart Cities Of Tomorrow Are Already Here
NBC News, 18 May 2018

1. Give two films that show how cities would look like in the future:

2. Fill in the blanks

"Which makes it _____ that our future cities aren't vast, urban hellscapes but are instead smart urban centres with a dash of _____ ."

3. What are the two adjectives describing life in smart cities?

4. True or false?

Smart cities are already under way.	T	F

5. What would be connected? Give four examples:

6. Give one example of what a connected object could do:

Connected object	What could it do?

7. What are the two things a smart city needs? Why?

8. What are the three adjectives used to describe sensors?

9. What does make Barcelona a smart city? Tick the right answer(s):

An app shows a map of all car parks.	
Censors show available car spots.	
Street lamps switch on automatically.	
Street lamps provide a free Internet access to the population.	

10. <u>True or false</u>?

A common language already exists to connect all these different devices.	T	F

11. What are the two main concerns of a smart city?

III. <u>Grammar revision</u>: the articles

……
……
……
……
……

Find the correct article in the following text:

What is a Smart City? – Definition and Examples

____ main goal of ____ smart city is to optimise ____ city functions and promote ____ economic growth while also improving ____ quality of ____ life for ____ citizens by using ____ smart technologies and ____ data analysis.
____ success of a smart city relies on ____ relationship between ____ public and private sectors as much of ____ work to create and maintain ____ data-driven environment falls outside ____ local government attribution. For example, smart surveillance cameras may need ____ input and ____ technology from several companies.
Aside from ____ technology used by a smart city, there is also ____ need for ____ data analysts to assess ____ information provided by ____ smart city systems so that any problems can be addressed and ____ improvements found.

IV. Essay writing

Answer the following questions with around 250 words (-/+ 10%) by writing an **essay**. Use relevant and varied arguments and pay attention to the organisation of your essay, using clear paragraphs and link words.

Are smart cities ideal cities?

………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………
………………………………………………………………………………………………………

8. A GLOBAL VIEW ON SMART CITIES

I. Listening comprehension

A. In groups, watch the video and collect as much information as possible

B. Write a summary of the video

II. Oral expression / comprehension

Collect information about other groups' video.

III. Oral interaction

Share with your group what you have learned.

IV. Written expression

In groups, write a synthesis of the different videos to have a global picture of smart cities – you can use a Google Doc for that purpose.

....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....

9. SMART CAMPUS

I. Listening comprehension

Project Green Campus: Studying in green surroundings
Euronews, 7 Jul 2021

1. Key information about the University of Calabria

Surface	Nickname	Specificity	Number of students

2. What are the three types of energy used on the campus?

3. How much money has been saved? Circle the right answer

around 0,5 million euros	around 1 million euros	around 1,5 million euros

4. Fill in the blanks

"Building a _____ campus in Calabria was a great challenge. It's one of the _____ regions in Europe, we can't _____ on significant resources so we took advantage of the opportunity offered by the European Commission. We participated in calls and obtained important funding for _____ development."

5. What is the origin of most of the funds?

6. Key information on the campus

Number and shape of buildings	How are they connected? How is it lighted?

7. Fill in the blanks

"The photo-voltaic system installed _____ the bridge allows us to reduce carbon dioxide emissions by about _____ tons per year. The _____ system has reduced

them by about _____ tons per year and the geo-thermal _____ pumps reduce carbon dioxide emissions by about _____ tons per year."

8. What are the two examples given of an ecological awareness?

9. <u>True or false</u>?

| The university applies what students learn in class. | T | F |
| Students are invited to do their part for the environment. | T | F |

II. <u>Oral expression</u>

Rennes 2's University is looking for new ideas to become a "smart" and green campus. Your objective, in groups, is to propose suggestions.

1. Find an idea.
If you really have no idea, you can watch some videos on my Cursus page for inspiration.

2. Develop some arguments on why your idea is the best for the university.

3. Work on the presentation of your idea using a Google Slide.
Use also what we have seen in class: English rhythm / sentence stress / plural pronunciation.

4. Present your idea in groups.

5. Vote for the best project.

10. <u>MOCK EXAM</u>

I. <u>Listening comprehension</u>

Artificial Intelligence could reshape education in South Florida
CBS Miami, 19 May 2023

1. What is on the agenda of G7 leaders? Why?

On the agenda	
Why?	

2. <u>Fill in the blanks</u>

"But scientists think this technology could _____ game-changing education for homes _____ on money and _____ for kids."

3. <u>True or false</u>?

AI is not as popular as robotics among computer scientists.	T	F
Stephanie Sylvestre believes AI will not transform education.	T	F
AI could bridge the gap between low and high-income students.	T	F

4. What were Stephanie Sylvestre's previous employers?

5. <u>Fill in the blanks</u>

"Sylvestre co-founded "Avatar Buddy", an app that uses _____ AI to offer users _____ . One of their target is children with no _____ for tutors."

5. What does the app offer? Give two examples.

6. Why are low-income parents the primary target of the app? Tick the right answer.

They do not have time to help their children with their studies.	
They are too busy looking for work.	
They are concentrated on day-to-day survival.	

7. What can you buy with 20 dollars?

With OpenAi	With a tutor or a coach

8. Why is the use of AI becoming crucial?

Risk of not using AI	Advantage of using AI

9. What are the two risks associated with the use of AI?

10. <u>True or false</u>?

Privacy is not a big concern for Avatar Buddy.	T	F
Sylvestre wants to focus on the future, not on the course.	T	F

II. <u>Essay writing</u>

Answer the following questions with around 250 words (-/+ 10%) by writing an **essay**. Use relevant and varied arguments and pay attention to the organisation of your essay, using <u>clear paragraphs</u> and <u>link words</u>.

Do you think that AI has more benefits than risks?

……
……
……
……
……
……
……
……
……
……
……
……
……
……
……