

# BACCALAURÉAT TECHNOLOGIQUE

SESSION 2020

## ANGLAIS LV1

*Série(s)* : STI2D, STD2A, STL, ST2S

Durée de l'épreuve : 2 heures - Coefficient : 2

*Série(s)* : STMG, STHR

Durée de l'épreuve : 2 heures - Coefficient : 3

**L'usage des calculatrices et de tout dictionnaire est interdit.**

Barème appliqué pour la correction

	TOUTES SÉRIES TECHNOLOGIQUES
COMPRÉHENSION	10 points
EXPRESSION	10 points

**Dès que le sujet est remis, assurez-vous qu'il est complet.  
Ce sujet comporte 5 pages numérotées de 1/5 à 5/5.**

## DOCUMENT 1

To be the skipper of the only boat on the Moon was a distinction that Pat Harris enjoyed. As the passengers filed aboard Selene, jockeying for window seats, he wondered what sort of trip it would be this time. In the rear-view mirror he could see Miss Wilkins, very smart in her blue Lunar Tourist Commission uniform, putting on her usual welcome act. He  
5 always tried to think of her as 'Miss Wilkins', not Sue, when they were on duty together; it helped him to keep his mind on business. But what she thought of him, he had never really discovered.

There were no familiar faces; this was a new bunch, eager for their first cruise. Most of the  
10 passengers were typical tourists – elderly people, visiting a world that had been the very symbol of inaccessibility when they were young. There were only four or five passengers on the low side of thirty, and they were probably technical personnel on vacation from one of the lunar bases. It was a fairly good working rule, Pat had discovered, that all the old people came from Earth, while the youngsters were residents of the Moon.

But to all of them the Sea of Thirst was a novelty. Beyond Selene's observation windows  
15 its grey, dusty surface marched onwards unbroken until it reached the stars. Above it hung the waning crescent Earth, poised for ever in the sky from which it had not moved in a billion years. The brilliant, blue-green light of the mother world flooded this strange land with a cold radiance – and cold it was indeed, perhaps three hundred below zero on the exposed surface. [...]

20 Selene's official designation was Dust-cruiser, Mark I, though to the best of Pat's knowledge a Mark 2 did not exist even on the drawing-board. She was called 'ship', 'boat' or 'moon-bus' according to taste; Pat preferred 'boat', for it prevented confusion. When he used that word, no one would mistake him for the skipper of a space-ship – and space-ship captains were, of course, two a penny.

25 "Welcome aboard Selene," said Miss Wilkins, when everyone had settled down. "Captain Harris and I are pleased to have you with us. Our trip will last for four hours, and our first objective will be Crater Lake, a hundred kilometres east of here in the Mountains of Inaccessibility..."

Arthur C. Clarke, *A Fall of Moondust*, 1961

## DOCUMENT 2

### Looking for a moon vacation? Billions being invested in burgeoning space tourism industry

Neil deGrasse Tyson, director of the Hayden Planetarium, famously declared that Earth's first trillionaire will be a space miner. There's gold in them thar<sup>1</sup> asteroids.

Perhaps, but the first big money to be made in space will more likely come from tourism, says John Spencer, who founded the Space Tourism Society and designed elements of the International Space Station for NASA.

Commercial space exploration is already attracting vast amounts of capital, according to space-analytics company Bryce Space and Technology, which reported that space startups received \$3.2 billion in investment in 2018 and \$22 billion since 2000.

A portion of that money has bolstered the growing space-tourism industry.

The industry arguably took off in 2001, when Los Angeles businessman Dennis Tito became the first space tourist, paying \$20 million to join a Russian cosmonaut crew on a Soyuz rocket to the International Space Station. Since then, six others have followed, paying to sojourn at the ISS. [...]

Last fall, Elon Musk announced that a passenger had booked a trip on a rocket aiming even higher: the moon. Japanese billionaire Yusaku Maezawa purchased seats for a one-week journey around the moon with up to eight artists on SpaceX's as-yet-unbuilt Big Falcon Rocket. The tentative launch date for Earth's first moon tourists is 2023.

Once journeys such as Maezawa's become commonplace, Spencer imagines tourism in space will eventually evolve to resemble tourism on the ocean.

Think of it: the cruises, the hotels, the adventure sports and high-end yachts, each of which would require the staff of its Earth-bound counterpart, plus the support staff needed for space.

"Eventually, there will be a lot of jobs in space," Spencer said. "We need people who cook and clean; we need a space guard service." He foresees sports such as dune-buggy racing or low-gravity basketball bringing television crews, crowds and the corresponding infrastructure. [...]

He remembers the excitement of the original space race, and does not discount what humanity can accomplish when it becomes captivated by an idea.

"If something becomes super-popular," he said, "interesting things can happen in a short time."

R.A. Schuetz, *www.houstonchronicle.com*, May 13 2019 (adapted)

<sup>1</sup> them thar (*registre familier*) = those

## I. COMPRÉHENSION (10 points)

**TOUTES les réponses doivent être reportées sur votre copie.**

### DOCUMENT 1

1. Copy the names below and match them with the correct proposition.

- |                 |                         |
|-----------------|-------------------------|
| a. Pat Harris   | 1. a boat               |
| b. Miss Wilkins | 2. a member of the crew |
| c. Selene       | 3. the boat's captain   |

2. True or false? Justify with a quote from the text.

- Pat Harris prefers to call Miss Wilkins by her first name "Sue" when he's at work.
- Selene's designation is Dust Cruiser Mark 2.
- Many boats navigate on the Moon.

3. Where does the scene with the boat take place? Describe the place using words from the text. (10-20 words)

4. The passengers can be placed in two groups. Copy out the letters corresponding to each group.

Group 1:

Group 2:

a. Youngsters

b. From Earth

c. Typical tourists

d. Elderly people

e. From the Moon

f. Technical personnel

5. Copy the table and complete it with quotes from the text about the trip on the Moon.

Departure place	
First stop	
Distance from departure point	
Trip duration	

### DOCUMENT 2

6. According to Neil deGrasse Tyson and John Spencer, where will big money most likely come from? Match each name below with the correct answer.

a. Neil deGrasse Tyson	1. Space mining
b. John Spencer	2. Space tourism

7. How many tourists have been in space since 2001? Justify your choice with two elements from the text.

- a. 5
- b. 6
- c. 7

8. Focus on the end of the text l.29-30. Explain in your own words what sort of “interesting things” John Spencer is referring to. (30-40 words)

## **DOCUMENTS 1 AND 2**

9. Choose the statement that best summarizes both documents :

- a. Moon mining
- b. Space race
- c. Moon vacation

## **II. EXPRESSION (10 points)**

**Afin de respecter l’anonymat de votre copie, vous ne devez pas signer votre composition, citer votre nom, celui d’un camarade ou celui de votre établissement.**

**Vous traiterez l’UN des deux sujets.**

1. You wish to participate in a contest organized by Elon Musk to win a seat for the next flight to the moon aboard the Big Falcon Rocket. Write a letter showing your motivations. (150 words minimum)

**OU**

2. This is 2040. A space journalist is interviewing you about your first day on the moon as a tourist. Write the conversation. (150 words minimum)