B3U4 SPACE: THE FINAL FRONTIER（教学设计）

1. Teaching objectives

After the class, students will be able to

1. learn relative knowledge of words, phrases and sentences about space exploration.
2. understand the content and structure of the passage and get its writing style.
3. get the main idea of each paragraph and know the process of space exploration.
4. be inspired by the spirit of space exploration and love our country more.
5. Teaching important aims

1). Students learn relative knowledge of words, phrases and sentences about the passage.

2). Students understand the structure and writing style of the passage.

1. Teaching difficult aim

1). Students can be inspired by the spirit of space exploration and love our country more.

1. Teaching methods

1). The CAI

2). Task-based language teaching

1. Teaching process

***Step 1. Lead-in***

1. Opening words:

Mystery created wonder and wonder is the basis of man’s desire to understand.-- Neil Armstrong

2. Great astronauts( great pioneers) in space exploration.

1). Yuri Gagarin, the Soviet Union-- the first man to travel into space in 1961

2). Neil Armstrong, the US-- the first person to walk on the moon in 1969

3. Questions: When you are looking up at the stars/universe, are you curious about the unknown universe? Are you feel lonely and down?

***Step 2: reading***

1. Title: Space: the Final Frontier

 (Space, the final frontier. These are the voyages of the starship Enterprise. Its continuing mission, to explore strange new worlds, to seek out new life and civilizations, to boldly go where no man had gone before.)

1. Title+ illustrations in the book:

Picture 1: achievements （man’s first success moon spacewalk）

Picture 2: accidents/challenges (America's challenger exploded)

Picture 3: China’s progress (China Jada Rabbit on the moon)

 According to the title and illustrations, can you infer what the passage include?

1. Can you choose the correct sentence to fill in the gap?
2. **Para. 1**

1). Why do people want to explore space?

 Main idea: Humans have always had a natural curiosity about space.

***Space exploration carries human’s curiosity.***

2). Why does the passage begin with two questions?

Writing tip 1 : A beginning with questions can impress readers.

1. **Para. 2**

1). What’s the topic sentence in Para. 2?

2). How realised their dream?

***Space exploration motivates human’s determination, persistence, curiosity, effort and ambition.***

1. Further thinking: Why was space exploration mainly carried out by the USSR and the US in the 20th century?
* During the Cold War, there existed competition between two superpowers? (AC)
1. How does the writer show the achievements in space exploration?
2. using examples C. giving specific number
3. making comparison D. giving definition
4. What are benefits of using examples and specific numbers?
* To be more detailed, vivid and persuasive
* To impress readers with great progress in space exploration
* To make it more easy-understanding

Writing tip 2 : Examples and specific numbers can make a scientific article more pervasive and objective.

1. Topic sentence: However, some scientists were determined to help humans realise their dream to explore space.

main idea: Space travel became a reality in the 20th century with American and the Soviet Union remarkable mission.

1. **Para. 3**

1). What’s the topic sentence in Para. 3?

2). What accident is showed?

3). Why don’t people stop exploring?

***-- Space exploration enlightens international cooperation.***

 Main idea: Space travel has always involved great risks, but despite risks exploration continues.

1. **Para. 4**

1). What’s the topic sentence in Para. 4?

2). What progress did China make?

***-- Space exploration witnesses China’s progress.***

 Main idea: China has made great progress in space exploration in the early 21st century, becoming only the third country to send humans into space.

1. **Para. 5**

1). What’s the topic sentence in Para. 5?

2). Why is the future bright?

3). What does space exploration mean to us?

***Space exploration links humans and future.***

 Main idea: The future of space exploration looks bright, as many countries are planning further missions.

***Step 3 after reading***

1. What’s the significance of space exploration?
* Space exploration carries human’s curiosity.
* Space exploration motivates human’s determination, persistence, curiosity, effort and ambition.
* Space exploration enlightens international cooperation.
* Space exploration witnesses China’s progress.
* Space exploration links humans and future.
1. The structure of the passage
2. What’s the writing type of the passage? 【a popular science article】
* The title is brief, easy-understanding and shows the topic.
* Examples and specific numbers are used to make language persuasive, objective and easy-understanding.
* The beginning offers brief information about background.

A popular science article is written for the public to popularize scientific conclusions, development or theories.

1. Activity: The process of China’s space explorations is hard. Thanks to scientists’ devotion and contributions, we have gained remarkable and surprising achievements. Nowadays, there is an activity titled “ I say something to CNSA.”

 As a teenager, what would you say and why do you say so?