

## 选择性必修二 Unit One Using Language

班级\_\_\_\_\_ 姓名\_\_\_\_\_ 小组\_\_\_\_\_

### 一、学习目标

- 1.learn about the two great scientists' lives, personality and qualities, achievements and scientific spirit;
- 2.grasp and use some words and phrases to describe the qualities of great scientists;
- 3.summarize the linking words and phrases and describe their functions;
- 4.write an essay about the scientific spirit

### 二、重点、难点

**学习重点：**从主题、内容、语言、结构等方面分析两个阅读语篇，在此基础上完成有关科学精神的写作任务，培养学生恰当使用衔接词语的意识和能力。

**学习难点：**通过具体的实践操作，提高写作水平和表达能力。

### 三、导学流程

#### （一）基础感悟（导学导读）：

词汇清理：

Patriotic\_\_\_\_\_ knowledgeable\_\_\_\_\_ Determined\_\_\_\_\_

outstanding and creative\_\_\_\_\_ Gifted\_\_\_\_\_ brilliant\_\_\_\_\_

sometimes careless in what he said or did\_\_\_\_\_

观察了解

Part1 Pre-writing

Activity 1 Lead in      Watch and Answer      列举书本上提到的科学家

#### （二）未知探究

Activity : Reading

Task 1: Read Qian Xuesen's story quickly and find out the main idea of each paragraph.

Task 2: Watch the video and learn about Qian Xuesen.(fill the blanks)

Task 3: Read Stephen Hawking's story quickly and find out the main idea of each paragraph.

Task 4: Read and Find What makes a great scientist?

1. What important personality and qualities in Qian Xueshen helped him earn the name of "Father of China's aerospace"?
2. What personality and qualities in Stephen Hawking helped him with his work and made him one of the greatest thinkers of the 20th and 21st centuries?
3. Find out the supportive examples in the text given by the author.

Task 5: Read the Qian's story again and decide if the sentences are true(T) or false(F).

- 1.Qian changed his major because of a shift in personal interest.

2. Qian's strong interest in art has a positive impact on a scientist's development
3. When Hawking was young, almost everyone believed that the universe began with a big bang.
4. Because Hawking was determined, he was able to succeed even though he was ill.

Task 6: Answer the questions below using the information from the texts.

1. Why was Qian called “the father of China’s aerospace”?
2. How was Hawking’s own theory proven correct?

Task 7: Answer the questions

1. Underline the linking words and phrases in the reading passages, and describe their functions.
2. Find words that describe the personalities of the scientists.
3. How do the stories about the scientists help illustrate these personalities?

（三）当堂检测：

### Writing Practice: Activity 1

**Write an essay about the scientific spirit.**

题目：你要为英语校报写一篇报道，介绍科学家 Marie Curie(Madame Curie)及其伟大精神，以激发学生努力奋进，勇攀科学高峰。信息如下：

1. 出生日期：1867 年 11 月 7 日      2. 出生地：波兰一个知识分子家庭
3. 兴趣爱好：自幼对物理及阅读兴趣很浓。4. 经历：当时波兰不允许女子上大学，她去法国深造并获得物理学位。5. 主要成就：发现镭，获得诺贝尔奖。伟大品质：意志坚强，有决心。
6. 评价：对科学界做出巨大贡献，被认为是最伟大的女性科学家。
7. 你的感悟：弱者等待时机，强者创造时机。

### Activity 2 Writing---making sentences

1. 玛丽·居里，也被称为居里夫人，在她年轻的时候就表现出了对物理的极大兴趣。

Marie Curie, \_\_\_\_\_ Madame Curie, showed great interest in physics \_\_\_\_\_ she was young.

2. 她于 1867 年出生于波兰的一个知识分子家庭。

She \_\_\_\_\_ an intellectual family in Poland in 1867.

3. 居里夫人有坚强的意志和巨大的决心。

Madame Curie \_\_\_\_\_ and great determination.

4. 居里夫人在发现镭方面取得了巨大的成功。

Madame Curie \_\_\_\_\_ discovering radium.

5. 镭的发现使她获得了诺贝尔奖。

Discovering radium \_\_\_\_\_ win the Nobel Prize.