

Teaching Presentation

Part 1: Teaching Introduction

ONE

Teaching
Context

TWO

Teaching
Methodology

THREE

Teaching
Design

Part 2: Teaching Demo

FOUR

Teaching
Demo

ONE

Teaching Context

ONE
Teaching Context

Target Students

TWO
Teaching
Methodology

THREE
Teaching
Design

FOUR
Teaching
Demo

An icon consisting of three green human figures, representing a group of students.

Freshmen
Computer Science
Major

An icon of two yellow human figures with their arms raised in celebration, representing students who are good at information processing and interacting.

Good at
information processing
and interacting

An icon of a red human figure with a question mark above its head, representing students who are weak in output, especially writing and critical thinking.

Weak in output,
especially writing
and critical thinking

ONE

Teaching Context

Textbook

TWO

Teaching
Methodology

THREE

Teaching
Design

FOUR

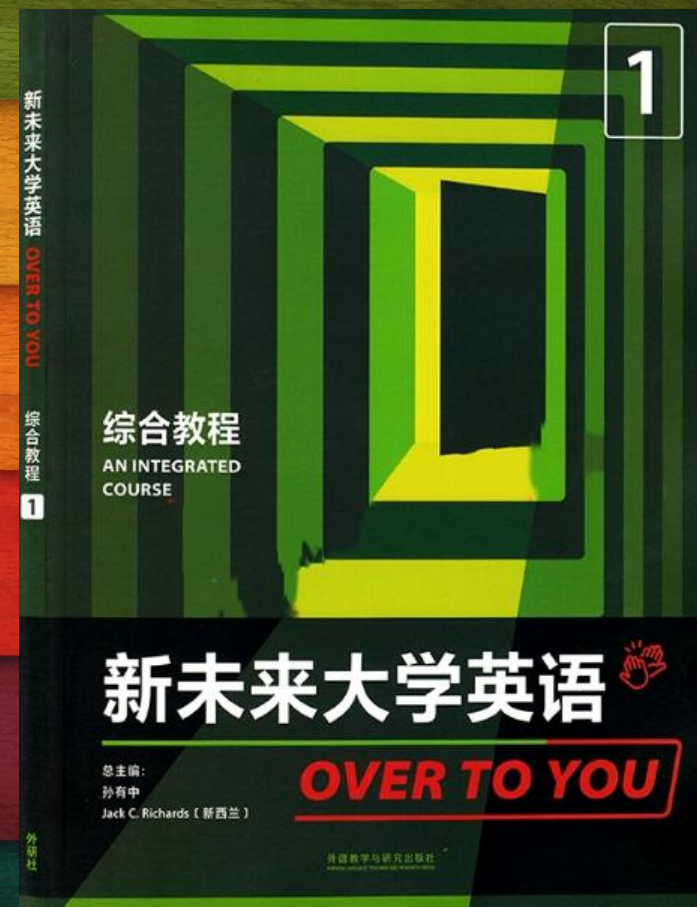
Teaching
Demo

新未来大学英语

综合教程 1

Unit 6

Passing the torch



TWO Teaching Methodology

ONE
Teaching Context

OBE (Outcome Based Education)

TWO
Teaching
Methodology

Clarifying

All objectives should be clarified to what students will be able to understand and perform.

Reverse Design

The students' final intended outcomes should be the start of the teaching design.

High

Teachers should set high and challenging standards of performance.

Expanded

Expanded opportunities should be offered to students.

THREE
Teaching
Design

FOUR
Teaching
Demo

ONE

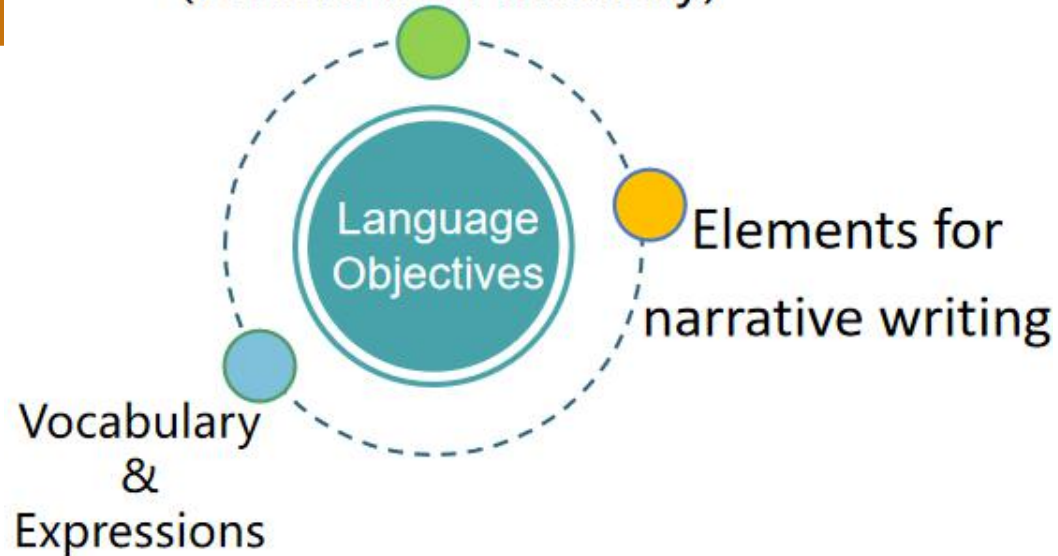
Teaching Context

Unit Teaching Objectives

TWO

Teaching
Methodology

Write a short essay
(A Hero in IT Industry)



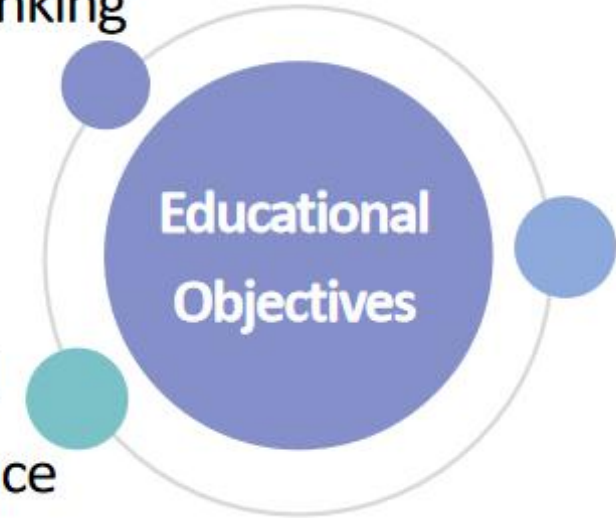
THREE

Teaching
Design

Critical Thinking

Integrated
Competence

Sense
of Values



FOUR

Teaching
Demo

THREE

Teaching Design

ONE

Teaching Context

Teaching Process

TWO

Teaching
MethodologyTHREE
Teaching
DesignFOUR
Teaching
Demo

Session 1 (periods) 1-2	Before Class	Conduct interviews on different dreams of different generations.	Motivating
	In Class	Present and discuss the interviews. Skim and scan Text B on page 184.	Output and Assessment
	After Class	Read Gen-Z Talk Spot on 162 and do exercise on page 164 and 165.	Assessment
Session 2 (periods) 3-4	In Class	Watch the video about the most important features of different generations. Listen to Episode 2 on page 168. Talk about your future.	Input, Output and Assessment
	After Class	Preview Text A on Page 178 and do Task 2 on Page 180.	Input and Assessment
Session 3 (periods) 5-6	In Class	Prepare for the essay writing <i>A Hero in IT Industry</i> based on analyzing Text A <i>Sky-high ambition to fulfill an “unreachable” dream</i> again. (Demo)	Input and Assessment
	After Class	Write the short essay <i>A Hero in IT Industry</i> .	Output and Assessment

ONE
Teaching Context

Demo Objectives

TWO
Teaching
Methodology



Language
Objectives

1. To know the elements of narrative writing and the use of chronological order
2. To know the use of past tense and acronym
3. To write a short essay *A Hero in IT Industry*

THREE
Teaching
Design



Educational
Objectives

1. To form critical thinking and comprehensive thinking
2. To cultivate integrated competence
3. To enhance the sense of values

FOUR
Teaching
Demo

Demo Procedure

ONE
Teaching Context

TWO
Teaching
Methodology

THREE
Teaching
Design

FOUR
Teaching
Demo



- Enlighten the topic and assign the writing outcome
- Integrate IT knowledge
- Build the scaffold
- Clarify the outcome objective

ONE
Teaching Context

Teaching Assessment





TWO
Teaching Methodology


Formative Assessment



Summative Assessment

THREE
Teaching Design

-  Language exercises
-  Interview shooting
-  Essay writing about *A Hero in IT Industry*
-  Students' interaction and performance

-  Achievement test

FOUR
Teaching Demo

FOUR

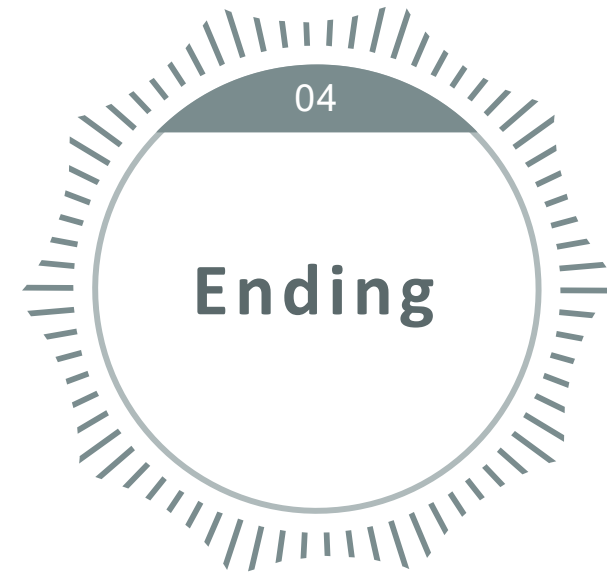
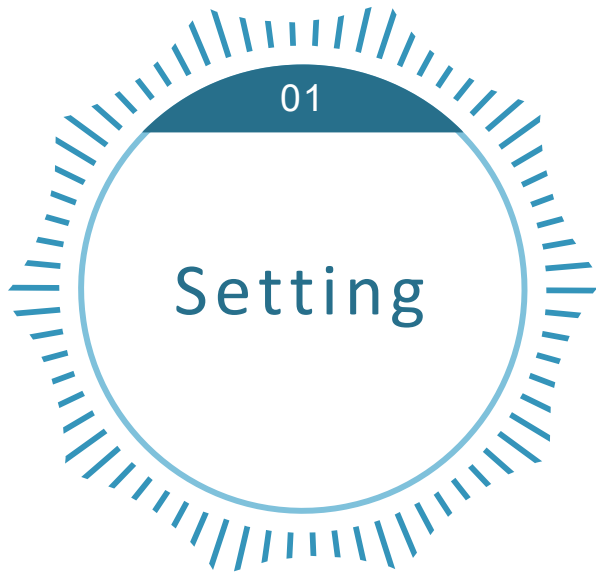
Teaching Demo



Nan Rendong (1945-2017)

**Sky-high ambition
to fulfill an
“unreachable” dream**

Story Structure



1. It's important in life to have dreams. Whether these are dreams for your future, your family's future, or for the future of your country, having dreams can give people the motivation to succeed and make the world a better place.

2. When talking about dreams, many people naturally think back to their childhood dreams, which may have been destroyed by the passing of time. However, there are some who are persistent in pursuing their dreams. One of these people was Nan Rendong, the chief scientist for the world's largest radio telescope, FAST. He fell in love with the universe when he was a boy and spent more than two decades trying to fulfill a dream that many described as "unreachable".

3. Nan was working as a visiting professor at the National Astronomical Observatory of Japan in the early 1990s when a bold idea came to him.

This was to build a radio telescope 500 meters in diameter to explore the origins of the universe. At the time, the biggest such telescope in China was less than 30 meters across. Giving up his well-paid position at one of the world's top scientific research institutes in Japan, Nan returned to China in 1994 to pursue his "unreachable" dream.

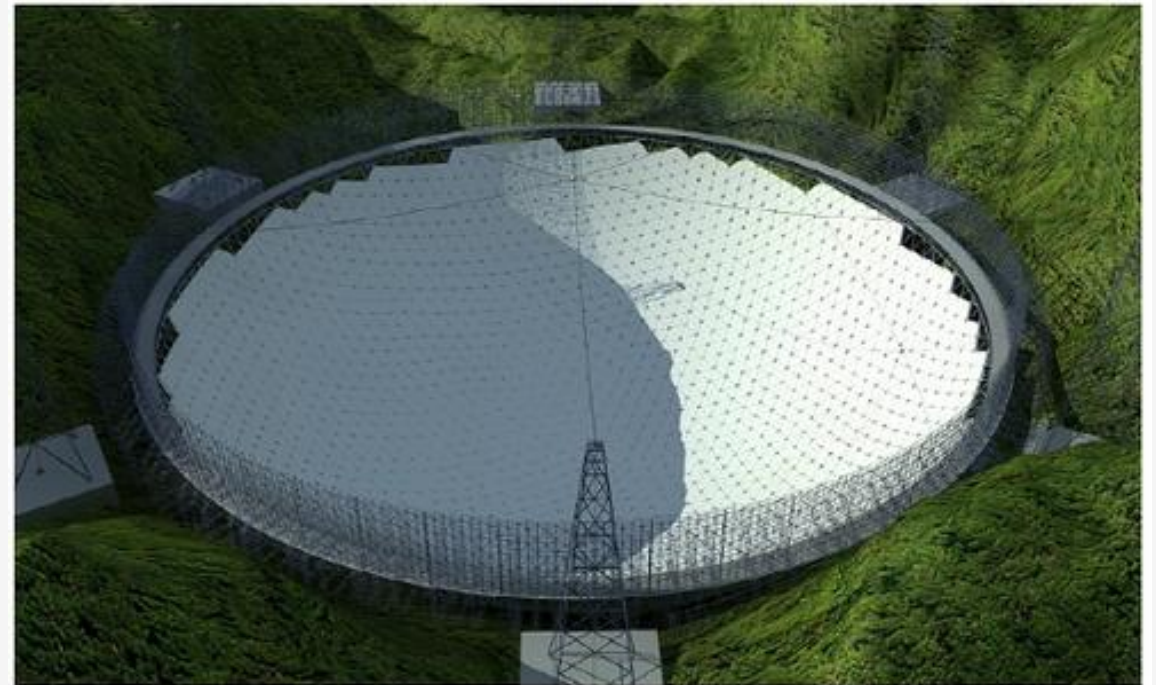
The first challenge Nan and his team had was to find the right location. After 12 years of searching, Nan discovered the perfect place hidden away in a mountainous area of Pingtang County, Guizhou Province. He knew immediately that he had finally found what he was looking for.

In March 2011, construction of the giant telescope began. As the chief scientist and engineer, Nan had to deal with some tough engineering problems. He had to climb up and down 100-meter-tall towers countless times and assess the firmness of the subsoil with his own feet.

What is “FAST” ? (Acronym)

FAST: **F**ive-hundred-meter **A**perture **S**pherical
Radio **T**elescope

500 米口径球面射电望远镜



From calculating the necessary length of each cable to the precise installation of the reflective panels, Nan personally took care of many technical details. Most of the scientists working on FAST specialized in different fields, but Nan seemed to know everything. This giant, complicated radio telescope project seemed to be made for him.

The construction of the telescope's dome was another challenge Nan had to take on. His team had no reference points to turn to, and no one to ask for help. Nan himself always led his team during the construction process, overcoming one failure after another.

When Nan was 70, he was diagnosed with lung cancer. Although his health was getting worse, he insisted on being present and on site to see the telescope being completed on September 25, 2016. One year later, he died.

9. FAST can receive electromagnetic signals from 10 billion light years away, and with it Nan had hoped to discover the origins of the universe, the origins of planets, and the origins of life. Nan believed the primary reason that humans stood out and were able to become such a complex and sophisticated civilization was that we had always kept alive the spirit of exploring the unknown.

10. Nan Rendong lived a simple life, with little concern for reputation or wealth. But as a dream-chaser, he thought big and ran at full speed toward achieving his “unreachable” dream. In the end, his career and personal success made an extraordinary contribution not just to China’s astronomy research, but to the Chinese Dream as well. *(563 words)*

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Critical thinking

4 Think-Pair-Share

Step 2 PAIR

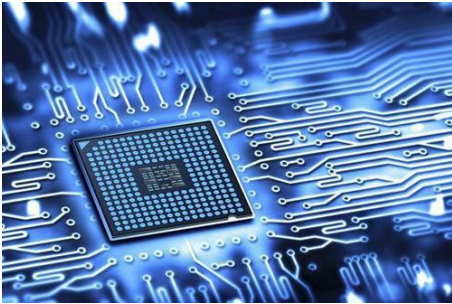
Work in pairs and compare your lists. Choose the most important events and then draw a timeline of Nan Rendong's story.



Some Challenges in IT Industry for China

微电子与光电子

Microelectron & Photoelectron



感知

Perception



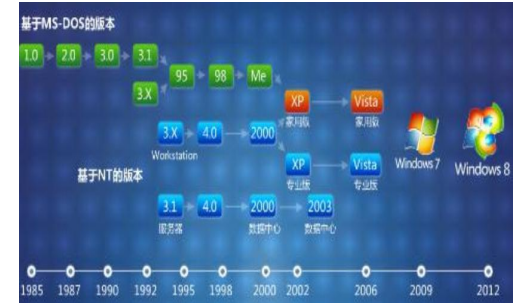
计算机应用

Computer Application



计算机系统与软件

Computer Systems and Softwares



网络与通信

Network and Communication



网络安全

Network Security



工业软件系统

Industrial Software Systems



重大突发事件
(属信息领域的部分)
Major Emergencies
(The information field)



Previous
Generations

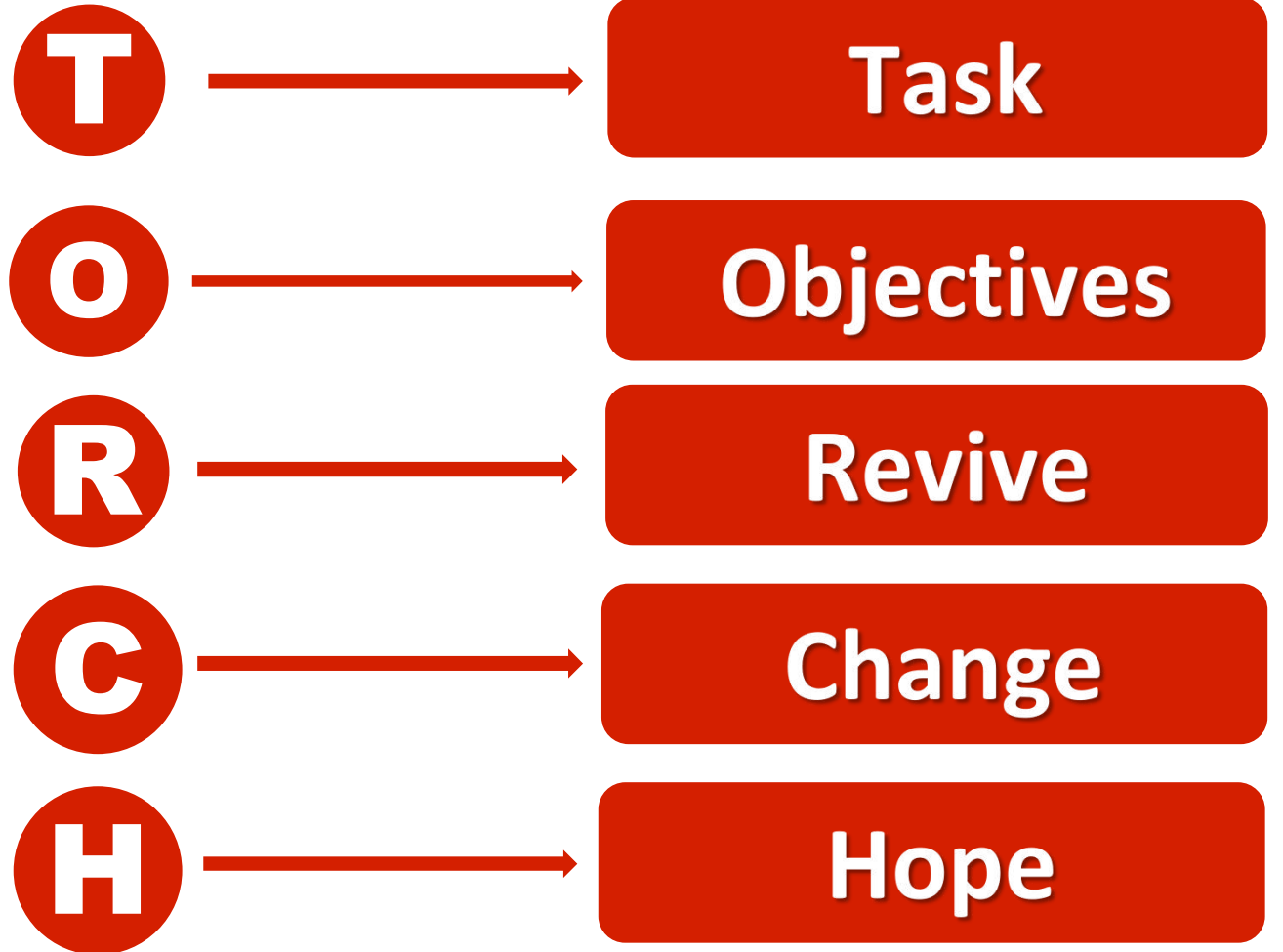


New
Generation



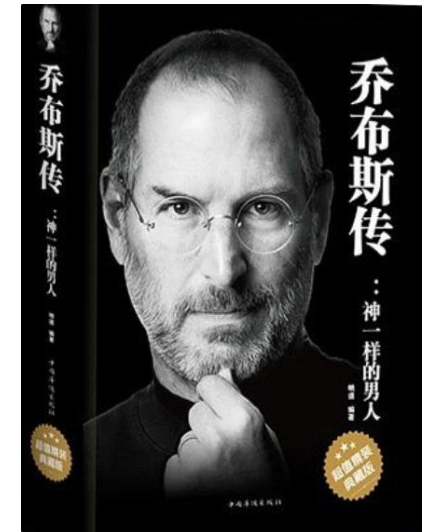
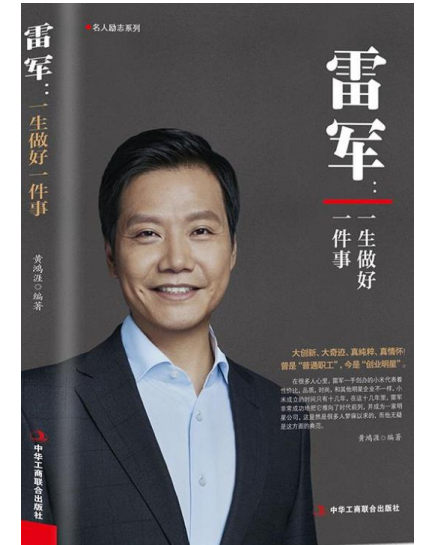
Next
Generation

| What is "TORCH" ?



Intercultural writing

- 5** Every culture has its own heroes who are held up as models for others to learn from. They could be scientists, entrepreneurs, athletes, or everyday people who show virtues like perseverance (毅力), courage, kindness, etc. Write a short essay describing the characteristics of a hero from other countries.



We will be faster!

