

Module 2 Unit 3 Computers



Reading:

WHO AM I ?

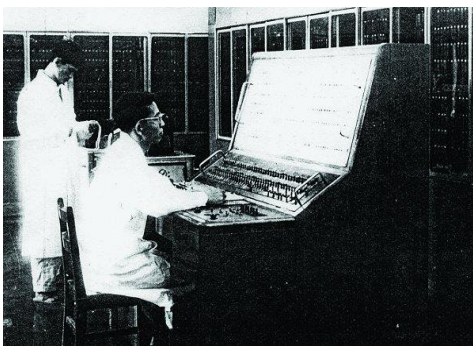
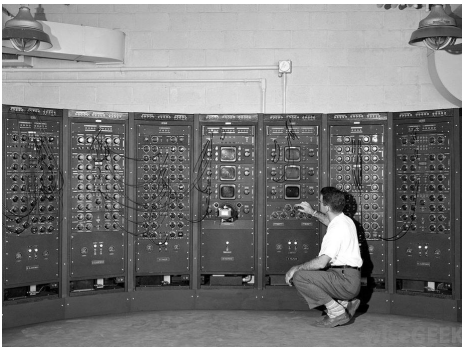
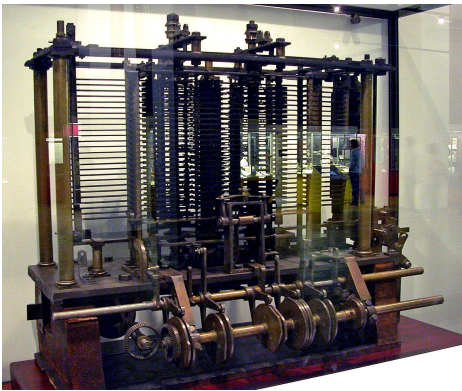
执教者：临海市回浦中学 吴超玲

What is it?

Computer

*an electronic machine for
dealing with information*

Common **O**perating **M**achine
Particularly **U**sed for
Trade, **E**ducation, and
Research



Reading: *WHO AM I ?*

Over time I have been changed quite a lot. I began as a calculating machine in France in 1642. Although I was young I could **simplify** difficult **sums**. I developed very slowly and it took nearly two hundred years before I was built as an analytical machine by Charles Babbage. After I was programmed by an **operator** who used cards with holes, I could “think” **logically** and produce an answer quicker than any person. At that time it was considered a **technological revolution** and the start of my “**artificial intelligence**”. In 1936 my real father, Alan Turing, wrote a book about how I could be made to work as a “universal machine” to **solve** any difficult mathematical problem. **From** then **on**, I grew rapidly both in size and in brainpower. By the 1940s I had grown as large as a room, and I wondered if I would grow any larger. However, this **reality** also worried my designers. As time went by, I was made smaller. First as a PC (**personal** computer) and then as a laptop, I have been used in offices and homes since the 1970s.



5

10

These changes only became possible as my memory improved. First it was stored in **tubes**, then on transistors and later on very small chips. **As a result** I **totally** changed my shape. As I have grown older I have also grown smaller. Over time my memory has developed **so** much **that**, like an elephant, I never forget anything I have been told! And my memory became so large that even I couldn't believe it! But I was always so lonely standing there by myself, until in the early 1960s they gave me a family connected by a **network**. I was able to share my knowledge with others through the World Wide **Web**.

20



Since the 1970s many new **applications** have been found for me. I have become very important in communication, **finance** and trade. I have also been put into robots and used to make **mobile** phones as well as help with medical operations. I have even been put into space **rockets** and sent to **explore** the Moon and Mars. **Anyhow**, my **goal** is to provide humans with a life of high quality. I am now truly filled with **happiness** that I am a devoted friend and helper of the **human race**!

35

□ Text type

□ Main idea

□ Structure



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Text type:

A. Narrative

B. Persuasive

C. Expository

D. Descriptive

Main idea:

The text mainly

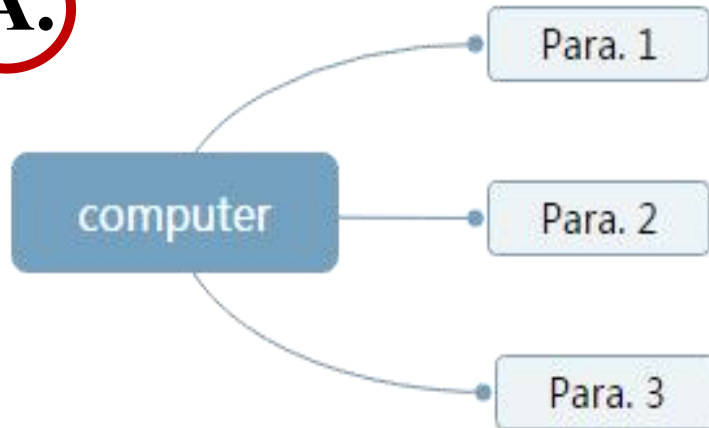
introduces the

development of

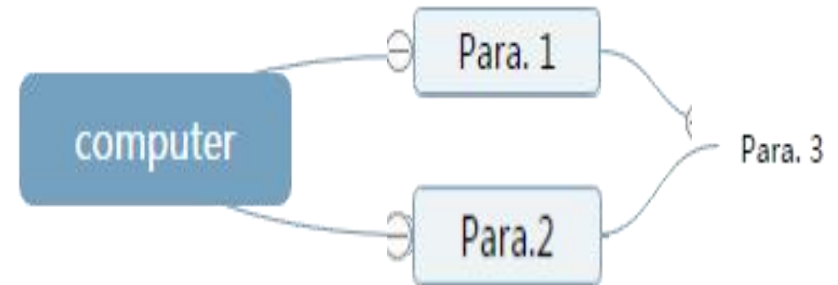
computers.

Reading for the *structure*

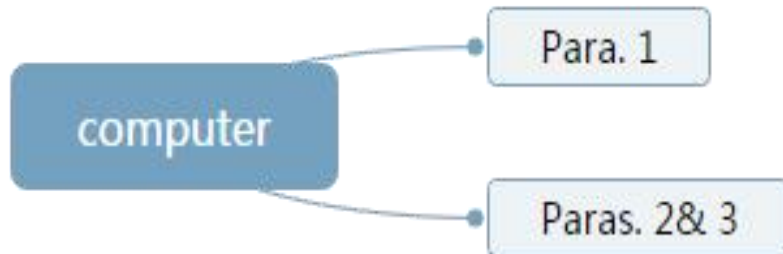
A.



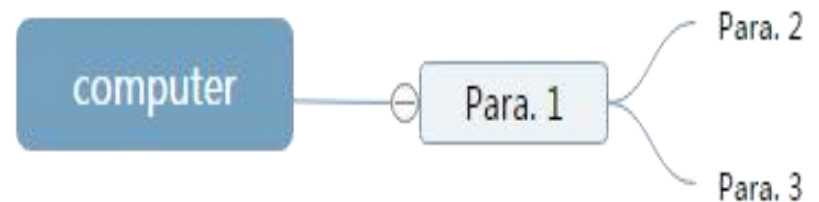
B.



C.



D.



Reading for the *main idea*

① **Over time** **topic sentence** I began as ...in 1642.

Although I was young I could simplify difficult sums. I developed very slowly and... it took nearly two hundred years before After I was programmed.... **supporting details** From then on, I.... By the 1940s ... However, ... As time went by, I was made smaller. First as a PC (personal computer) and then as a laptop, I have been used in offices and homes since the 1970s.

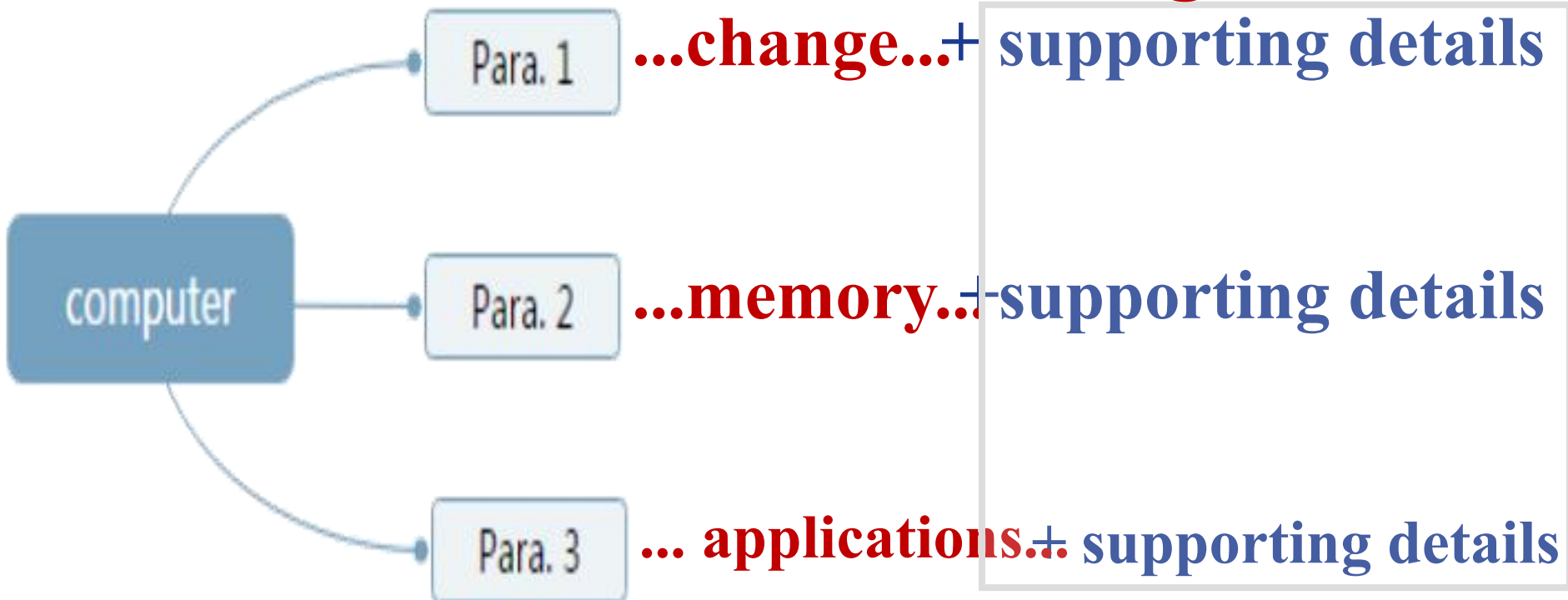
② **These changes only became possible as my memory improved.** First it was stored in tube... then on transistors and later on very small chips. As a resultOver time But ... until in the early 1960sI was able to share my knowledge... through the World Wide Web.

③ **Since the 1970s many new applications have been found for me.** I have become very important.... I have also been I have even been Anyhow, my goal is to provide humans with a life of high quality. I am now truly filled with happiness that I am a devoted friend and helper of the human race!

Reading for the *organizzazione*

- A. In order of time B. In order of space
C. In order of logic

Organized?




Reading for the *organizzazione*

① **Over time I have been changed quite a lot.** I began as ...in 1642. Although I was young, I could simplify difficult sums. I developed very slowly and ... two hundred years before After I was programmed.... At that time it was considered In 1936 From then on, I.... By the 1940s However, As time went by, I was made smaller. First as a PC (personal computer) and then as a laptop, I have been used in offices and homes since the 1970s.

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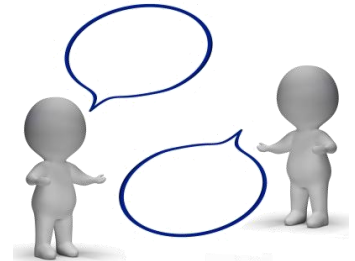
In what ways have computers changed? How?

Time	Identity	Function	Memory	Applications
1642	<u><i>calculating machine</i></u>	<u><i>simplify</i></u> <i>difficult sums</i>	<i>first stored in <u>tubes</u>, then on</i>	<i>communication, finance, trade, robots, mobile phones, medical operations, rockets ...</i>
(+≈200 yrs) <u>1822</u>	<u><i>analytical machine</i></u>	<i>“think” <u>logically</u>, answer <u>quicker</u> ...</i>	<i><u>transistors</u>, later on <u>very small chips</u></i>	
1936	<u><i>universal machine</i></u>	<i>solve <u>any</u> difficulty maths problem</i>	 <i>became <u>large</u></i>	
1940s	<i>(grow as large as a room)</i>			
<u>1970s</u>	<i>PC/laptop</i>	<i>used in offices & homes</i>	<i>(...1960s ... a <u>network</u>)</i>	

Reading *between the lines*

Computers have **changed** in...

- ❑ **Size**: smaller (more convenient)
- ❑ **Memory**: larger, quicker (more intelligent)
- ❑ **Function**: more powerful
- ❑ **Application**: wider



Goal

**To provide humans with a
life of high quality**

Reading *beyond the lines*

What **problems** does the computer technology bring to us?



- getting addicted to online games
- having less face-to-face communication
- committing online crimes
- ...

we humans make good use
Only when of the computer technology can
*we **benefit** from the computer technology.*

Reading *beyond the lines*

The development/history of computers



Writing skills

- ① After I was programmed by an operator who *personification* used cards with holes, I could “think” logically and produce an answer quciker than any perosn. *comparison*
- ② By the 1940s I had grown as large as a room.... *comparison*
- ③ Over time my memory has developed so much that, *simile* like an elephant, I never forget anything I have been told!
-

Thinking outside the box

*Work in groups and design a future computer.
Briefly introduce your design, using **some good language and writing methods** from the text.*



- size
- shape
- memory
- function
- application
- ...

Assignment



1. **Appreciate** some beautiful sentence structures from the text.
2. **Write** a brief introduction to a future computer, using some good language and writing skills from the text.

Thank You !