Sanmin Book5 L12
How Progress Makes Us Sick

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Introduction

(I) The difficult level of the lesson plan
→ intermediate

(II) Text structure: cause and effect

(III) A brief introduction of the target passage

(i) New viruses emerge as a result of human enterprise.

(ii) Many factors contribute to the quick spread of the microbes.
Create Background

1. View the film “Outbreak” (1995). What have you learned from the film?
2. Remember the SARS outbreak in 2003?! What are the threats of SARS to humans and in what ways?
3. How can human beings stop such life-threatening diseases as SARS from breaking out?
The possible causes that triggered the outbreak of SARS
The possible causes that triggered the outbreak of SARS

- People eat wild animals.
- Animals and humans live closely together.
- People travel a lot.
- Crowded cities help it to spread.
- Bad sanitation.
- Mass transportation enhances the mobility of microbes.
The first two paragraphs

The emergence of weird diseases

- Cause #1
- Cause #2
- Cause #3
- Cause #4

Effect
Weird diseases (Ebola fever, bird flu, SARS, AIDS)
The emergence of weird diseases

Cause #1
The increase of factory farms

Effect
Weird diseases
(Ebola fever, bird flu, SARS, AIDS)

Cause #2
The start of blood banks

Cause #3
The invention of jet planes

Cause #4
The increase of big cities
How human enterprise led to the emergence of Nipah virus
The third paragraph
→ How human enterprise led to the emergence of Nipah virus

Farmers pushed back the forest to expand their farms.

Fruit bats started living in the rafters.

Displaced bats contaminated pigs’ drinking water.

Pigs coughed. The virus spread from pigs to farmers.

40 percent of the affected people died.

8 farms closed and one million pigs were killed.
How HIV virus spreads quickly from apes to humans and then from one person to another.
How HIV virus spreads quickly from apes to humans and then from one person to another.
The fifth paragraph

How SARS emerged in 2003

Event

SARS emerged in the spring of 2003.

Because

Because

Because
The fifth paragraph

How SARS emerged in 2003

<table>
<thead>
<tr>
<th>Event</th>
<th>SARS emerged in the spring of 2003.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Because</td>
<td>There were primitive farms in Guangdong Province, where animals could easily develop human and bird viruses simultaneously.</td>
</tr>
<tr>
<td>Because</td>
<td>The double infections generate hybrids that set off a new chain of human infection.</td>
</tr>
<tr>
<td>Because</td>
<td>The big city, Guangzhou, mixes people, animals, and microbes from the countryside with travelers from around the world.</td>
</tr>
</tbody>
</table>
What can people do to stop deadly diseases from breaking out?

Cause
Humans disturb Mother Nature

Effect

Solution 1
Solution 2
Solution 3
Solution 4
Solution 5
What can people do to stop deadly diseases from breaking out?

Cause
Humans disturb
Mother Nature

Effect
New deadly diseases emerge.

Solution 1
Modernizing the world’s farms

Solution 2
Improving basic health care

Solution 3
Stockpiling vaccines

Solution 4
Wiser and safer land use

Solution 5
Surveillance
Practice and Personalization

- Multiple causes leading to one event (EX: Bad grades)
Multiple causes leading to one event

Bad grades in English.

- Cause #1: Having no interest.
- Cause #2: Feeling bored in class.
- Cause #3: Never doing the previewing and reviewing.
Giving advice
Giving advice

Problem
→ Getting bad grades in English

Advice
→ Reading English articles every day

Advice
→ Listening to English programs every day

Advice
→ Talking to friends in English

Advice
→ Joining English clubs

Advice
→ Looking up new words in a dictionary

Advice
→ Viewing English movies
Extension Activities and Application

Part A: other types of cause and effect

- One cause leading to multiple events
One cause leading to multiple events (Skipping classes)

- Scolded by teachers.
- Grounded by parents.
- Having no close friends in school.
- Not willing to study.
- Bad grades in every subject.
- Having no confidence.
Cycle of events
(Drinking too much coffee)
Cycle of events
(Drinking too much coffee)

- Drinking too much coffee.
- Feeling sleepy all day.
- Not having enough sleep.
- Staying awake all night.
Chain of events
(Having a boyfriend/girlfriend in high school)
Chain of events
(Having a boyfriend/girlfriend in high school)

- Having a boyfriend/girlfriend in high school
- Not attentive in class
- Poor academic performance
- Grounded by parents
- Feeling isolated
- Scolded by the teacher
Extension Activities and Application

Part B: writing practice
(Multiple causes leading to one event)

1. Expand the problem and advice into a two-paragraph passage.
2. The first paragraph focuses on the causes of the problem while the second paragraph talks about the ways to improve the sticky situation.
3. The causes of the problem should be listed in terms of its importance or time sequence.
Multiple causes leading to one event

Bad grades in English.

- Cause #1
- Cause #2
- Cause #3

Having no interest.

Feeling bored in class.

Never doing the previewing and reviewing.
Giving advice

Problem
→ Getting bad grades in English

Advice
→ Reading English articles every day

Advice
→ Listening to English programs every day

Advice
→ Talking to friends in English

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