High School English Teaching Design: Chart Analysis Essay Writing——Taking "Students' Weekly Physical Exercise Time" as an Example

Teaching Objectives

1. Knowledge Objectives：

Master core elements of chart essays: chart types (bar chart, pie chart, etc.), data description vocabulary (account for, surge, gradually), and logical linkers (meanwhile, in contrast).

Understand the "general-specific-general" writing framework, and distinguish between data description, cause analysis, and suggestion-making.

1. Ability Objectives：

Screen key data (extremes, trends) from charts to avoid information redundancy;

Analyze the social phenomena behind data, such as academic pressure and health awareness; - Write an 80-word chart analysis essay with clear structure and coherent logic.

1. Affective & Literacy Objectives：

Cultivate data analysis and critical thinking skills, and establish awareness of a healthy lifestyle;

Enhance exam confidence and cross-cultural communicative writing ability through Authentic Gaokao Essay Questions.

Key & Difficult Points：

Key Points Accurate data description (e.g., extremes, proportion comparison) and application of the "general-specific-general" structure.

Difficult Points: In-depth analysis of social phenomena behind data (e.g., cause inference) and rational suggestion-making.

Teaching Methods

Task-based Teaching Method: Promote instruction through a "observe-analyze-write" task chain;

Case Analysis Method: Use Quanzhou inspection questions and sample essays as models;

Group Collaboration Method: Complete data interpretation and outline design in groups;

Multimedia-assisted Teaching: Present charts, vocabulary lists, and college entrance exam links via PPT.

Teaching Procedures

Step 1: Lead-in (5 minutes)

Suspense Introduction: Show a news screenshot of "declining student physical fitness" and ask: "What factors may lead to this problem?" Guide students to link it to physical exercise time.

Chart Warm-up: Quickly present the bar chart (Students’ Time Spent on Physical Exercise Weekly) from the PPT and ask: "What’s your first impression of the data?" Encourage students to describe it with simple vocabulary (e.g., "most students exercise 2-4 hours").

Step 2: Knowledge Construction (15 minutes)：

Exam Point Analysis: Explain the three key assessment points of chart essays (data interpretation, logical coherence, in-depth analysis), and illustrate the scoring pitfalls of "data redundancy" (e.g., listing all values) with PPT cases.

Vocabulary & Sentence Bank: Data description: "account for 40%", "the percentage of...is significantly higher";

Logical linking words: "Meanwhile, In contrast, Notably"; - In-depth analysis: "This mirrors the need for... / The phenomenon may stem from...".

Framework Deconstruction: Take the sample essay as an example to analyze the structure of "introduction (theme introduction)-body (data + causes)-conclusion (suggestions)", and present it with a mind map (see Blackboard Design).

Step 3: Skill Training (20 minutes)

Layered Tasks:

Basic Level: Complete chart data filling (fill in the proportion of each time period based on the PPT bar chart);

Advanced Level: Discuss in groups the reasons why "18% of students exercise less than 2 hours", and record them with a mind map (e.g., academic pressure, lack of interest);

Expanded Level: Imitate the sample essay to write the introduction paragraph and cause-analysis sentences.

Teacher Guidance: Patrol and provide feedback, focusing on the accuracy of data description (e.g., "40% exercise for 2-4 hours") and the logic of cause analysis (e.g., "heavy academic workload → less exercise").

Peer Evaluation: Each group selects a fragment essay, displays it on PPT, and students evaluate it based on three criteria: "data accuracy", "use of linking words", and "reasonableness of causes".

Step 4: Summary & Enhancement (5 minutes)

Knowledge Review: Sort out the "three-step method" of chart writing (describe-analyze-suggest) with a table, emphasizing that "data serves phenomena, and phenomena reflect social issues".

College Entrance Exam Link: Quickly browse the "2025 Tianjin Museum Visits" chart in the PPT and ask: "How is this similar to our topic?" Guide students to discover the common logic of chart essays. Affective Enhancement: Combine the theme of physical exercise and assign a mini-discussion: "What’s your weekly exercise plan?" to strengthen health awareness.

Homework Design

Basic Homework: Based on the PPT bar chart, complete an 80-word essay (including data description, cause analysis, and one suggestion), highlighting linking words with a fluorescent pen.

Upgraded Homework: Compare and analyze the structural differences between the "student exercise time" and "museum visits" chart essays, and write a 100-word analysis note.

Extended Homework: Choose a chart in daily life (e.g., "students' mobile phone usage time"), write an essay, and submit it to the school English newspaper.