

# <sup>1</sup>NEW TEACHING MODE SYSTEM IN THE INFORMATION AGE

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## ABSTRACT

With the advent of the information age, great changes have taken place in China's traditional education mode, both curriculum standards and training objectives have changed, which makes the cultivation of mathematics core literacy become the focus of high school mathematics education. After the outbreak of the epidemic in 2020, the face-to-face courses of traditional education were transferred to online, which accelerated the promotion of the new teaching mode. In addition, the national strong foundation program included mathematics as a basic discipline in the special enrollment plan, which made finding a suitable new teaching mode to cultivate core literacy become a focus. Considering the advantages of flipped and smart classroom, the cultivation of mathematics core literacy and the real-time flexibility of teaching methods, this paper presents a C-ADE teaching design model with classroom as the core and introduces a new teaching mode. Using the unique analysis method of the cultivation of core literacy, it is concluded that the new education mode has a significant advantage over the traditional mode in the cultivation of core literacy. Finally, this paper discusses the evaluation methods of education and teaching in the new era. It not only tests and supplements the C-ADE model, but also improves the new education and teaching system in the information age based on the cultivation of core mathematical literacy.

**Keywords:** Core literacy of mathematics. discipline new education. teaching evaluation.

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