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摘要: 数据观念随着《新课标》的提出，不但成为了教育教学研究的热门题材，还是一线教师要重视落实的任务，同时也是我们每个人必备的素养。本研究为设计出专注于培养数据观念核心素养的学习课时案例，采用文献研究法对《新课标》和人教版数学教材进行分析，发现培养数据观念上要注意的问题：“不设情境或者情境不贴切学生的实际生活；不重视教学过程，不安排教学活动，单方面向学生灌输知识；缺乏相应的评价机制或者不点评学生的学习”并对此问题提出教学策略：“通过有意义的问题情境，加强学生数据观念；经历活动过程，发展数据观念；评价贯穿全程，促进学生进步。”并最后给出1课时的随机事件与概率的教学设计案例。

关键词: 数据观念；新课标；教学策略；随机事件与概率

Research on Middle School Mathematics Teaching Based on "Core Literacy in Data Concepts"

---Taking "Random Events and Probability" as an Example

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Abstract: Following the introduction of the New Curriculum Standards, the concept of data has not only emerged as a popular theme in education and teaching research but has also become a crucial task for frontline teachers to emphasize and implement. Moreover, it represents an essential literacy for all of us. This study aims to design a lesson plan specifically focused on cultivating core literacy in data concepts. Through literature research methods, an analysis of the New Curriculum Standards and the People's Education Press mathematics textbooks was conducted. It identified several issues in cultivating data concepts: "the absence of context or scenarios unrelated to students' actual lives; a lack of emphasis on the teaching process, no arrangement of teaching activities, and a unilateral delivery of knowledge to students; and the lack of a corresponding evaluation mechanism or failure to provide feedback on students' learning." Teaching strategies were proposed to address these issues: "enhancing students' data concepts through meaningful problem scenarios; facilitating the development of data concepts through experiential activity processes; and integrating evaluation throughout the entire process to foster student progress." Lastly, a teaching design case for a lesson on random events and probabilities was provided.

Keywords: Data concept; New curriculum standards; Teaching strategies; Random events and probabilities

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