

THE PROS OF INQUIRY-BASED TEACHING IN DEMONSTRATING SCIENCE LESSONS

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Inquiry-based learning is a teaching strategy that places students at the center of instruction. This approach encourages students to research and contemplate real-world issues. In this type of learning environment, students actively participate in the learning process and have the opportunity to explore their innate interests.

The history of inquiry in science education is both long and complex. The concept of "inquiry" is rooted in the principles established by influential educators like John Dewey and Jerome Bruner. Dewey described inquiry as a fundamental process inherent in human culture, language, and everyday experiences. He emphasized that inquiry should be based on real-life experiences and that learning should be a collaborative process focused on building knowledge. Furthermore, Dewey highlighted the importance of revising ideas throughout the learning experience.

There are various ways to incorporate inquiry into teaching. Inquiry learning is expected to play a significant role in science education, as it is recognized by academics, teachers, and practitioners as essential for both science learning and children's overall development.

Students can learn to solve problems independently through inquiry-based learning, rather than simply looking for solutions in their textbooks. This teaching strategy helps students connect their science lessons to their everyday experiences. Students can conduct experiments outside of class and then present and discuss their

findings in class, leading to significantly greater engagement than in a typical textbook-based curriculum.

References:

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