

Skill Learning in Lathe Operations: Strategies for Selecting and Training National Skill Competition Participants

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Abstract

The teaching and learning of skills are more complicated, dynamic and diverse than those for general disciplines. For this reason, it is important to understand the personality type most suited to being a skill-oriented student in industrial vocational high schools. This study aims to explore the skill learning process of skills competition prize-winners and their personality traits in the context of the lathe operation category of Taiwan's national vocational high school students' skills competitions. The study adopts a qualitative approach using interviews as the data-collection method. Four prize-winning students in the lathe operation category of Taiwan's National Skills Competition are selected as the cases. Those interviewed are the four participants and their instructors. As well as indicating 6 personality traits among study participants, the study results reveal 8 skill learning points of commonality among them. Finally, the study proposes 7 instructional strategies for selecting and training lathe operation students for the industrial vocational high school skills competitions.

Keywords: *Skill Learning, National Skills Competitions, Personality Traits*