Thinking outside the box
Interdisciplinary and creative mindset for doctoral candidates

Bridging Sciences and the Arts in Teaching via Symmetry

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From Sam Loyd's nine dots puzzle, 'thinking outside the box' is perceived as a metaphor to think differently, unconventionally. Nowadays, students should be equipped through education with creative and critical thinking and interdisciplinary problem-solving. A decisive factor in improving students' creative thinking is inspiring them to break out of the pattern rut. Encouraging divergent and interdisciplinary thought can help students confront new ideas and ways of working in the research field.