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Proposal Title:

ENCODE: A Web application to promote reflective thinking in music student teachers.

Description:

ENCODE is a Web application recently created by the Faculty of Music at Laval University (Quebec). This digital learning tool was designed to help student teachers enrolled in a music pedagogy training program develop their ability to reflect on their own teaching and their peers' teaching. Students videotape their instrumental lessons or music classes and analyze them using a system of teaching behaviors categories, which allow them to pay special attention to key aspects of their teaching. In addition, students are asked to critically analyze their lesson using ENCODE, by finding both the positive aspects observed and areas for further improvement, and we ask them to propose ideas and corrective solutions to apply on their next lesson or music class. Finally, in order to help students enhance their ability to reflect, we ask them to take a critical look at the lessons conducted and analyzed by their peers.

ENCODE is available free of charge to people interested in using it for teaching or research purposes. ENCODE has received the award of excellence in teaching 2012-2013 at Laval University, within the *Digital Educational Resource* category.

During this communication, I will present ENCODE and its different functionalities by showing concrete examples. Moreover, I will explain how this Web application can be used as a research tool to conduct scientific studies in the field of music education using videotapes.