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# INNOVATION FOR SUSTAINABLE EDUCATION IN THE CHANGING CONTEXT

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## ĐỔI MỚI SÁNG TẠO TRONG DẠY HỌC VÀ ĐÀO TẠO GIÁO VIÊN

*Chủ đề: Đổi mới sáng tạo vì sự phát triển bền vững của giáo dục  
trong bối cảnh nhiều biến đổi*

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# HOW TO USE STEAM APPROACH TO DISCOVER VALUES OF THE CULTURAL HERITAGE OF HUE ANCIENT CAPITAL FOR TEACHING HISTORY IN VIETNAM'S HIGH SCHOOLS

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**Abstract:** The 4.0 Industrial Revolution has created many challenges for preparing human resources. From the viewpoint of interdisciplinary perspective, STEM education is popular in many countries as it can connect learning with practicing and schools with society in order to prepare labour force for social demands. However, STEM has regularly been applied in disciplines of natural sciences in schools and it is rarely used with disciplines of social sciences and arts. Because the subject of History has interdisciplinary knowledge and cultural contents, it has advantages to apply STEM and Art (STEAM) in teaching activities. The heritage of Hue ancient capital with great cultural and historical values is highly possible to be exploited in teaching activities under STEAM. This article focuses on discussing four main issues: 1) Conception of STEAM education; 2) Values of the cultural heritage of Hue ancient capital; 3) Proposals to exploit values of Hue heritage under the STEAM education to teach History in high schools in Thua Thien Hue Province.

**Keywords:** STEAM education, cultural values, Hue ancient capital, teaching history, Vietnam's high schools

## INTRODUCTION

Vietnam's new general education program of 2018 officially highlights the role of STEM education in the comprehensive development of students to serve demands and skills in the 21<sup>st</sup> century. STEM's characteristic is that students are organized to learn by doing, or applying interdisciplinary knowledge and skills to deal with social issues and demands. This learning process requires students to make real learning products with a connection between schools and society. It means that students have to cooperate in studying, and in completing all learning tasks creatively and actively. Aims of STEM education are not only to help learners to have fundamental knowledge and skills but also to have arguable thinking, abilities of team-building, discussion and presentation, finding information, and using well all IT and interdisciplinary knowledge to address all social demands. Moreover, STEM education can also expand learning environment and establish creative classrooms to encourage learners' interest in studying. As a result, STEM education can be seen as a good way to train and prepare labour force for the 4<sup>th</sup> Industrial Revolution. Some researchers argue that STEAM can be applied in teaching themes of social sciences and humanities including the subject of History effectively because content knowledge of those disciplines has a close connection and integration. Towards disciplines of social science, STEAM is an adaptation.

As a political, economic, and cultural centre of Vietnam from the 17<sup>th</sup> to the 19<sup>th</sup> century, Hue ancient capital keeps both tangible and intangible cultural and historical heritages. They not only present deeply the history of Vietnam in the early modern period but also provide world cultural and historical values. It is an advantageous condition to apply STEAM (STEM and Art) to teach History in special themes or contents under the direction of Vietnam's general education program of 2018. Accordingly, how to exploit Hue cultural heritage well in teaching

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