

The Constructing of The Teaching Material Platform for Grade 1-9 Curriculum-Conforming SCORM as an Example

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ABSTRACT

In the explosion of information network, various websites on teaching materials have been established. The systems usually lack reusability and not sharable, hence created redundant information; lacking of common specification created problems for user to find suitable teaching materials. The reform of Grade 1~9 Curriculum focused on integrating IT into instruction, teachers will be required to edit their own teaching materials, but the resources provided by the governing body is unsatisfying. The purpose of this study is to find a solution to improve the sharability, reusability and convenience of searching of teaching materials. This in turn, would reduce the burden of creating teaching materials, and to enhance teaching design and creativity. The only solution to the problem would be the teaching resources were described in a consistent way or developed with the consistent format. This study used the metadata targeted for the Grade 1~9 Curriculum teaching resources by the Academia Sinica, The Digital Teaching Material Exchange Specification, used as common specification for describing teaching materials. This specification has the characteristics of localization and convenience of searching; SCORM conformity enhances sharability. A managerial platform for teaching material is constructed to provide teachers with a website for convenient searching, sharing and design.

Keywords : SCORM ; Grade 1-9 Curriculum ; Teaching Materials

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