

建構無所不在學習環境-以合作模式探究之

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摘要

無所不在學習環境除了其基礎建設之外，是否有好的教學策略及合適的教學活動內容也是值得討論的問題。且面對多元的學習環境，採取何種教學設計與策略，將是有效教學的關鍵成功因素。此外，由於目前RFID成本昂貴，若於中小學使用RFID建構無所不在學習環境，獲得的效益可能會不符成本。而二維條碼的應用逐漸成為一種世界趨勢，如何導入且充分運用此強而有力的工具已是眾所矚目的課題之一。因此，本研究以二維條碼與無所不在科技相關技術建構無所不在學習環境，使得學生能善用資訊科技提升學習效率，以適應現代資訊科技社會，並於網路上形成一個主題相關的合作學習社群；本研究並提出STS合作學習模式，最後在所建構之學習環境中基於此學習模式進行教學活動，並藉由自然科學學習態度問卷探究學生在自然與生活科技學習領域單元中，其學習態度上是否有顯著差異。而從研究結果得知，學生在對自然科課程的態度、對自然老師的態度、對自然科的學習動機、自然科的學習策略皆有正面提昇的效果。

關鍵詞：無所不在學習；STS合作學習；自然與生活科技

目錄

第一章 緒論.....	1	第一節 研究背景.....	1	第二節 研究動機與目的.....	2	第三節 研究範圍與限制.....	4	第四節 研究流程.....	4	第五節 論文架構.....	6
第二章 文獻探討.....	7	第一節 無所不在運算環境相關技術.....	7	第二節 無所不在的學習環境.....	12	第三節 教學模式.....	14	第四節 小結.....	19		
第三章 研究方法.....	20	第一節 研究設計.....	20	第二節 無所不在學習環境與系統建置.....	21	第三節 STS合作學習模式與教學活動.....	27				
第四章 資料分析.....	35	第一節 問卷構面總量表.....	35	第二節 各構面分析結果.....	36						
第五章 結論與建議.....	44	參考文獻.....	46	附錄A.....	55						

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