

# 透過行動載具結合智慧型物件建構無所不在的數位學習環境之實現與研究

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## 摘要

無所不在學習環境除了基礎建設之外，好的教學策略及合適的教學活動也是值得討論的問題。由於目前各種智慧型物件已經日益普及，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。本研究以各種智慧型物件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，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。從研究結果得知，在使用不同智慧型物件之學習環境中，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、智慧型物件

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