

國小四年級海洋課程設計與實作之行動研究

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摘要

本研究採行動研究法，試圖透過依在地環境設計的海洋課程教學，來改善國小四年級學生之垃圾處理行為，並在海洋課程實施過程中，探討學生對海洋廢棄物的認知、態度與相關行為上的變化。研究者針對海洋課程教學日誌、回饋問卷、學生訪談紀錄、與諍友討論紀錄、上課錄影所得資料加以整理分析、相互對照，並輔以海洋廢棄物認知、態度、行為問卷所得量化資料，獲得研究成果。研究發現：學生接受海洋課程後，在海洋廢棄物認知上有進步；在對海洋廢棄物的態度上，學生展現出和上課前一樣的高正向態度，並顯現出與海洋廢棄物認知的相關性；在海洋廢棄物相關的行為上，學生展現出比上海洋課程前更好的垃圾處理行為。

關鍵字：行動研究、海洋教育、海洋廢棄物、造舟

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An Action Research on the Marine Course Design and Implementation for Fourth Grade

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Abstract

This action research aims to improve the waste disposal behavior of fourth-grade students through the marine course designed with the local environmental context, and to explore changes in students' cognition of marine waste, attitude towards marine waste, and behavior related to marine waste during the implementation process. The collected data included marine program log, marine program feedback questionnaire, records of students' interviews, records of discussions with a critical friend, and classroom videos. The results were obtained by comparing multiple sources of data and supplementing with the quantitative information gathered from the survey of marine waste cognition, attitude and behavior. The results indicated that after taking this marine course, students have higher cognition of marine waste. Students' attitude towards marine waste remains as highly positive as it used to be before the marine course. In addition, attitude is found related to the cognition of marine waste. Regarding the behavior aspects, students showed better waste management and disposal behavior after taking the marine course.

Keywords: action research, marine education, marine waste, shipbuilding