

科學教育研究與發展季刊  
Volume 23, Pages 13-29  
臺北市立師範學院科學教育中心

科學教育行政、教學與學習  
The Administration of Science Education, Science Teaching and Learning

劉宏文; 張惠博

中文摘要

本文探討中小學教學行政與科學教學之間的關係。首先反省當前學校科學教學的內涵，呼籲科學知識應以更為符合科學本質的方式呈現；其次討論教師的教學活動應納入更多以探究為導向的教學策略，以幫助學生更為真實的理解科學志業；最後引介當代科教界對於科教行政的思考，做為行政階層與教師進行科學教育改革時理論與實務的參考，以呼應九年一貫統整課程的設計理念。

關鍵字：科學教育行政；科學本質；科學教學

Abstract

This paper discussed the relations between administration of science education and science teaching. At first, by reviewing science content which had been teaching in current school system, We claimed, that school science should be presented to fit the nature of science which had been advocated by many scholars in the field of science education. Secondly, I suggested that more inquiry-based science teaching should be included to help students to understand authentic science activity. Finally, in order to responding the ideas of nine-year integrative curriculum, I introduced notions about current issues on administration of science education, which could be used as reference to promote the reform of science education.

Key words : Administration of Science Education; Nature of Science; Science Teaching