

Introduction

The *IT* Masterplan launched in April 1997, is a blueprint for the integration of information technology (*IT*) in education in Singapore. It sets out national standards for *IT* infrastructure. This includes providing for a computer network in every school. Computer network points are installed in classrooms, computer laboratories, libraries and *IT* learning resource rooms. This is to enable courseware, the Internet and digitised media resources to be accessed in every classroom and in the various learning areas, and also to allow for sharing of resources within and between schools.

The computer network, however, requires cables from computers to be plugged into network points installed along the walls of the rooms. This limits the number of places that networking can be used and constrains the arrangement of the classrooms. There were mixed responses from teachers to the use of the computer networking for teaching and learning in schools. As the computer network is a relatively costly technological infrastructure to build and maintain in schools, increasingly, among other implementation issues, there were interests in teacher affective and motivational perceptions about using computer network for teaching and learning.

This paper reports on the construction and psychometric properties of a computer network attitude scale, an instrument for measuring teachers' attitudes toward using computer network for teaching and learning in schools.