

PEDAGOGY MODELING FOR SCIENCE BASED SUBJECTS

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ABSTRACT

This paper utilizes the Jacques Delors Pillars of Education as the basis of design, a pedagogy model appropriate for science based subjects and courses. Although Jacques Delors has investigated and explored the main areas of education, as a discipline however, education has gone through some fundamental changes since 1996. The current literature for teaching pedagogy does not cover any specific model that is solely designed for the unique requirements of teaching scientific subjects. The proposed pedagogy model in this paper considers all the relevant and important aspects of education, not only in today's current climate, but also in the foreseeable future. More importantly, as the educational system endures rigorous changes there are some fundamental matters that need to be carefully considered, including flexibility, industry links, multi-skilling and professional accreditation, which are all utterly crucial for science-based subjects and courses.

KEYWORDS: Educational Modeling, Jacques Delors Pillars of Education, Educational Systems, Educational Pedagogy, and Science based Subjects and Courses