

## Abstract

# A Study for developing Student Competency Index

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Student Competency is an emerging issue in the global society. 1997 OECD launched a DeSeCo(Definition and Selection of Competencies) project. OECD tried to define and select the key competencies needed in the future society. 2003 PISA introduced the assessment of the problem solving competency and ICT using ability of the students and planned to assess the cooperative problem solving competency in 2005. UNESCO also launched the learning metrics project as a Post-EFA project. UNESCO endeavored to assess the multi-faceted growth and development of the primary and secondary students. Student competency emerges also as a hot issue in the Korean education. Many Korean scholars find the student competency as a key education goal in the future society.

In this study, we tried to develop Student Competency Index(SCI) and evaluate the level of Korean students' competencies.

For this purpose, first of all, we investigated relevant theories and projects and developed a theoretical framework. Especially we analysed the international projects related with the student competency. Based on these, we developed the concept of Student Competency Index.

Second, we developed SCI. We developed the methodology to measure and produce the SCI. We also developed measurement model based on the student competency concept

model.

Third, after we collected the raw data and gave weight, we calculated the analyzed data and produced the sub-index and composite index.

Finally, we analyzed SCI with examining the validity. We also examined the composite index and the sub-indices. Moreover, We tried to compare with other data and indicators.

Taken as a whole, the Korean students have normal levels of competencies. The level of intellectual competency is very high. But the physical and civic competencies are low. The other competencies like mental, vocational and social competencies are under medium level. There is no serious gender gap in the student competency.

On the basis of the research findings, seven suggestions are proposed for the improvement of the student competencies: 1) Introducing national educational achievements standards, 2) Activating the school sports, 3) Establishing the system to check the mental health of the students, 4) Improving the career development skill of the students, 5) Giving weight to community education, 6) Giving special attention to the civic education, 7) Introducing the school health grid to check regularly the condition of the school.

**\* key word:** Competency, Student Competency, Education, Indicator, Index, Student Competency Index