PERFORMANCE OF PHILIPPINE HIGH SCHOOLS WITH SPECIAL SCIENCE CURRICULUM IN TWO INTERNATIONAL ASSESSMENTS STUDIES

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This study aims to assess the performance of Filipino students using data from a cohort group of Science High Schools (SHS) that participated in two international studies, namely the 2003 Trends in International Mathematics and Science Study (2003 TIMMS-R) and the 2008 TIMMS (2008 TIMMS-Advanced); and to determine possible areas where improvements in the teaching of science and mathematics could be initiated. From the 2003 TIMMS-R, which covered both the regular and science high schools, data for the latter will be culled-out and the performance of SHS students in science and mathematics, as a whole and disaggregated according to type of SHS (Philippine Science High School, S&T-Oriented HS, Regional Science High School and Other Science High School) will be compared with that of students from other participating countries. For the 2008 TIMMS-Advanced, which covered only those high schools with special science curriculum, performance of Filipino SHS students will be compared with students from other countries who were studying in high schools with similar specialized curriculum. In-depth analysis will be done to identify content areas in science and mathematics and cognitive domains (Knowing, Applying and Reasoning) where Filipino students are relatively weak or strong.