

Patcharin Rumroi 2009: Problems and Requirement for Developing Science and Mathematics Teachers of the Private Education Commission in Bangkok Metropolitan Area. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor. Associate Professor Boonreang Kajornsin, Ph.D. 275 pages.

The proposes of this research were 1) to study the problems of science and mathematics teachers' development knowledge, learning activity management, media construction and use , measurement and evaluation and classroom research. 2) To study the need of science and mathematics teachers to develop knowledge, learning activity management, media construction and use, measurement and evaluation and classroom research. The sample consisted of 168 school administrators, science and mathematics teachers in 1<sup>st</sup> and 2<sup>nd</sup> grade range from schools under the Private Education Commission in Bangkok Metropolitan Area. Three sets of questionnaires were used to collect data. The 809 questionnaires which was 96.31 % of 840 questionnaires were returned from 162 schools. Frequency, percentage and mode were employed to analyze data.

The research results were 1) most of science and mathematic teachers had problems at the high level on classroom research, but the problems of knowledge, learning activity management , media construction and use, measurement and evaluation were at the medium level. 2) Most of science and mathematics teachers needed to develop at the highest level on classroom research, but they needed to develop knowledge, learning activity management, media construction and use, measurement and evaluation at the high level.

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Student's signature

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Thesis Advisor's signature