

Sirinapa Chiyacom 2009: The Guide Line of Science Authentic Assessment in Grade 5 Phratamnaksuankulap Mahamongkon School. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor: Acting Lt. Wongsatit Watthanaseree, Ed.D 206 pages.

The purpose of this research were 1) to study a science authentic assessment guide line and 2) to study an authentic assessment in students' learning outcome: knowledge, science learning process and desired characteristics. The content were Force and Motion in grade 5. The target population were 39 students in grade 5/4 at Phratamnaksuankulap Mahamongkon School during second semester of the academic year 2009. The action research was applied in this study. The science authentic assessment guide line as follow : 1) setting-up expected learning results, 2) choosing the scopes of evaluation, 3) selecting evaluators in charge, 4) employing appropriate methods and tools, 5) specifying time and place of evaluation, 6) analysing data, 7) setting-up a criteria, 8) exploiting lesson plan and 9) applying the assessment results to develop students' learning outcome.

The research result revealed that the Authentic Assessment could enhance grade 5 students' learning outcome: knowledge, science learning process and desired characteristics as well.

---

Student's signature

---

Thesis Advisor's signature