

ity and team cooperative spirit. Their motivation is mobilized, which will help to improve their professional knowledge and hand-on skill. The most important thing is that the motivation we build up open experiment is not to see the final experiment result only, but to increase their cognitive theory learning in the classroom. By operating themselves, they could combine the knowledge in classroom into their experiment project. Even more, they maybe modify some procedure to test their idea. It will help to promote the transformation of their hidden knowledge into explicit knowledge.

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6. References

- [1] Xu Youquan, Li Renfa, "Design and implementation of the opening lab management system based on web," *Research and Exploration in Laboratory*, pp. 64-66, 2007.
- [2] Jiang Hao, Lu Zhifeng, "Design and realization of open laboratory's management system," *Research and Exploration in Laboratory*, pp. 110- 112, 2010.
- [3] Chang Wenying, "Research on the security management system of open chemical experiment in university," *Laboratory science*, pp. 190-193, 2011.