

Reflection on Classroom Practices

Doctoral Sandwich Program for Indonesia Visiting Schoolars

School Name : Metro High School <http://www.themetroschool.org/>

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School Profile

Metro is a small, intellectually vibrant public school option open to 9th through 12th graders in Franklin County.

Metro is a small and intellectually vibrant learning community open to students in Franklin County. Metro is designed to serve students who want a personalized and extraordinary learning experience that prepares them for a connected world where math, science and



technology are vitally important. All Metro students engage in a personally relevant and academically rigorous curriculum within a safe and trusting environment.

Metro is a high school operated by the Educational Council – a confederation of the 16 public school districts in Franklin County. Students who attend Metro will be concurrently enrolled in their home district and will remain a part of the public school system in Franklin County.

Metro's mission is turning college aspirations into reality through personal relevance, academic rigor and transformative relationships.

All members of the Metro community seek to improve their practice of the Metro Habits of Heart and Mind:

1. Effective Communicator
2. Inquiring Learner
3. Active and Responsible Decision Maker
4. Effective Collaborator
5. Critical Thinker
6. Engaged Learner

Physical Space

All classrooms in Metro serves also as a laboratory for students and teachers. Students learn in the classroom with the guidance of a teacher. Chairs and tables arranged so that students can discuss with other students. Some classes serve as a laboratory, lab equipment to be placed in the classroom. The classroom is organized in a nearly circular, with a glass partition facing inwards, so that all teaching and learning activities visible from outside the classroom.

Learning facilities is supporting the implementation of learning, because learning activities into a unity between theory and practice in the classroom. Students learn about the theory, then with the existing lab equipment they prove it in practical activities in classroom.

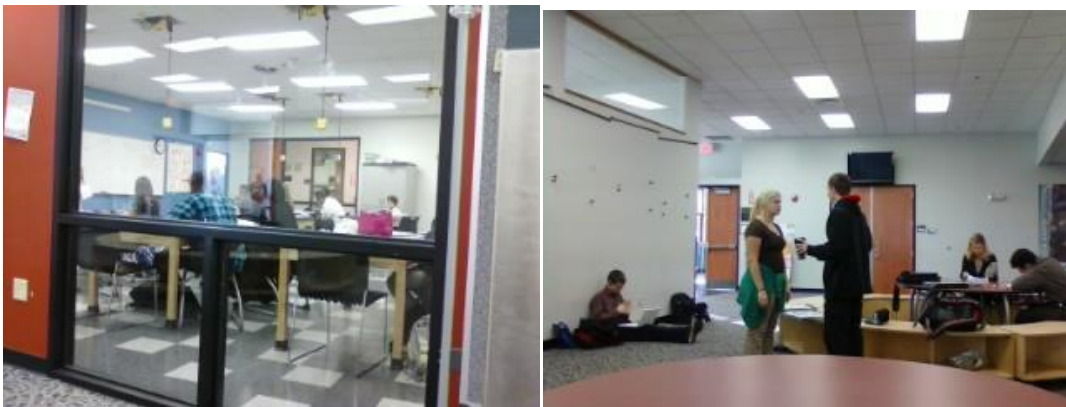


Figure 1. Activities in the classroom can be seen from outside the classroom because of the glass partition. Many students learn in outside of classroom (discussions, learn from the internet, and working on the task)

Teacher and Student interaction

Implementation of lessons conducted in the classroom. One teacher taught about 20 students. In addition to theoretical lessons students are also given the task group as a project task. Interaction between students and teachers walked very dynamic, students may learn in the classroom, or outside the classroom with the same teacher. In addition to the activities in class students are required to carry out an internship in college, company, or field study in the workplace.

Teaching methods used by teachers is largely problem-solving method. Students are given the task group by the teacher, then students do with the discussion. Every student has one laptop for a means of learning and communicating with Teachers and friends in order to do the task group.



Figure 2. Image of student learning outcomes in art lessons

Engagement with the lesson

Students with a serious attention when the teacher explains the learning materials. Each laptop students connect with the same material that the teacher laptop through LAN. All students working on given tasks by using their laptops. In working on the assignment of teachers, students not only use materials from the teacher but also from the internet.

Implementation of the learning undertaken in a very dynamic environment. Students learn in different ways, namely: follow the teachers' explanations, discuss with friends, looking for teaching materials on the Internet, and conduct experiments in the laboratory.



Figure 3. The atmosphere of teaching and learning in engineering classes, students are discussing, working on the task in front of the classroom, teachers and students are discussing. All students have laptops as a learning tool.