The Admission Result of Senior High School STEM Program in the Academic Year of 2016

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The senior high school admission policy of 12-year national compulsory education features exam-free admission and target admission. The STEM (Science, Technology, Engineering and Math) program has been launched by 9 senior high schools in Taiwan, including Taipei Municipal Jianguo High School. They relied on recommendation- and screening-based process to admit their students. In the academic year of 2016, the STEM program of the 9 senior high schools offered 260 openings in total. A total of 4719 students applied during the application period that ended on March, 4 with an acceptance rate of 5.5%. The application results of each school were finalized between the end of March and the beginning of April. The enrollment was completed on April,8 with an average enrollment rate of 94.2%.

To sift out students with science literacy and knowledge of basic science, students who applied for the program participated in the science test held by the schools respectively on March 12, 2016 after the preliminary review of their qualifications. With different test tools, 60 to 75 students were selected by the schools for practical tests arranged in the second half of March, such as scientific observation, practical learning, hypothetical experiments and deductive reasoning, reading of professional articles, and oral tests in order to admit students who have real interest and potentials in science research into the STEM program.

The STEM program is divided into two stages: in the first stage (grade 10 and 11), students should study basic science, humanities-and social studies-related subjects; in the second stage (grade 12), the schools, will invite teachers from partner colleges and universities to teach advanced science courses. Alternatively, students can enroll in related classes offered by college or university. After passing the national joint qualification test for the STEM program, the students in the first stage can move on to the second stage. During the second stage, students should complete their own individual science research under the guidance of teachers from partner colleges and universities. Students who pass the science and math exams in the national joint qualification test can apply for waiver of these courses in the second stage.