

Schools of Science, Technology, Engineering, and Mathematics

General Goals of Establishing Secondary STEM Schools

Establishing STEM schools in Egypt aims to take care of excellent students in science, mathematics, engineering and technology regarding their abilities. Applying new curricula and methodologies depending on investigative projects and integrative approach in teaching to achieve integration between science curriculum, math, engineering and technology to reveal the connection among these fields to prepare a student who can design, create and has a critical thinking. Providing students co-operative learning skills, in addition to the preparation of a remarkable scientific base and a qualified for university education, scientific research. Fulfilling the general goals of these schools include: homeland loyalty development, specialized curricula and studying system also, performing them depends on research methods, inquiry and working in groups whether in humanities or natural sciences curriculum. Worth mentioning, Studying in STEM schools started year 2011, at 6th October STEM school, Giza governorate, followed by instructing STEM school at Zahraa Almaadi, Cairo governorate. Then on school year 2015/2016 expansion of instructing 7STEM schools have been done in the governorates : Alexandria at Borg el-Arab region , Asuit at Asuit city , Luxor at Tiba city, Red Sea gov. at Hurghada , Ismailia gov. at Educational Institute , Kafr Elsheikh gov. at Kafr Elsheikh city and Daqahlia gov. at Gamsa city , caring to follow a unified specification in all STEM schools On school year 2016/2017 studying started in STEM schools at (Elgharbia and Menoufia governorates).



Ministerial Decisions Regulating STEM Schools of Science and Technology:

- [Ministerial Decision No. \(313\) on 24/8/2015 concerning subsidiary committees to support STEM schools at Republic Governorates.](#)
- [Ministerial Decision No. \(369\) On 11/10/2011 concerning secondary STEM schools system.](#)
- [Ministerial Decision No. \(382\) on 2/10/2012 concerning the system of acceptance, studying and testing at secondary STEM schools.](#)
- [Ministerial Decision No. \(202\) on 21/4/2012 concerning awarding Egyptian secondary certificate in science and technology from STEM secondary schools.](#)

