The study aims to examine the effectiveness of a MUSIC model based training program on improving the creative teaching skills and reducing the math teaching anxiety of math studentteachers. Participants were (52) pre-service teachers enrolled in Fayoum Faculty of Education, mathematics the sections. Participants were administered the creative teaching skills and the teaching math anxiety inventories before the start of the program; then they were trained for 12 weeks. They were tested again twice. It was revealed that the program has a significant effect on improving their creative teaching skills and decreasing their teaching math anxiety levels. Results were discussed in the light of the MUSIC model literature and the relationship between motivation, performance and anxiety.