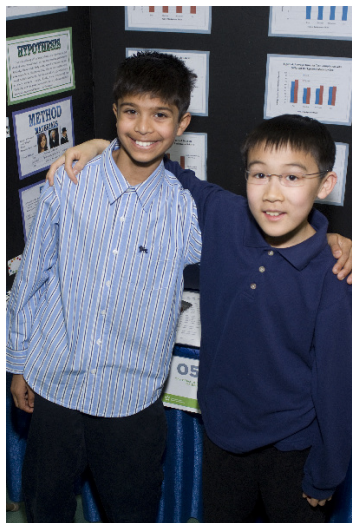


## CWSF 2009 - Winnipeg, Manitoba



### Ajay Shah, Joshua Zung

#### The Effect of Different Kinds of Music on Mathematical Performance

**Division:** Life Sciences / None

**Category:** Junior

**Region:** Toronto

**City:** Markham, ON, North York, ON

**School:** University of Toronto Schools

**Abstract:** This project studied the effect of different kinds of music on mathematical performance. Subjects were timed and scored on arithmetic problems while classical music, pop, or jazz was played in the background. It was found that classical music resulted in significantly faster time scores. For pop and jazz, familiarity with the music resulted in slower time scores; the opposite was true for classical music.

#### Biographies

Ajay - I live in Markham, Ontario and attend UTS. I play soccer, basketball, baseball and swim. I am widely regarded as funny, and athletic. I have been officially recognized by my teachers as a leader, winning awards of excellence and leadership. I participate in community sporting events, and have volunteered at a local temple many times. At school, my favourite subject is math or science. I like school and regard it as a way to exercise my abilities and achieve my full potential.

Joshua - Joshua Zung, the youngest of four children, is a Grade 7 student from University of Toronto Schools. He is a clarinet player who has been taking private lessons for about two and a half years. He especially enjoys playing classical music and is currently studying RCM Grade 8 clarinet. He avidly follows professional tennis and plays a lot of tennis himself. He enjoys reading, especially The Chronicles of Narnia, The Lord of the Rings, Harry Potter, The Lost Years of Merlin, and other fantasy books. Joshua keeps frogs, guppies, platies, neons and other aquarium creatures and loves to watch and feed them. Joshua has many other hobbies, such as r...