

TITLE: Noise Levels at Primary Schools in Port-of-Spain
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This project reports on the noise levels or Sound Pressure levels at primary schools in Port of Spain and environs. Four different schools were investigated; Eastern Girls Government, Eastern Boys Government, Moulton Hall Methodist and the St. Rose Girls RC. School.

An integrating/logging sound level meter – model 1900 (Quest Technologies 1900) was used to obtain measurements and was set up according to International Standard requirements. Readings were recorded at two minute intervals and were compared with the Environmental Management Authority (EMA) standards to examine whether or not the standard requirements were being met and to observe if there were any significant differences in the sound pressure levels acquired.

The results obtained showed that the highest sound pressure level of occupied classrooms occurred at St. Roses Girls R.C. School (83.1 dB) and the lowest at Eastern Girls Government Primary School (72.1 dB). In comparison the highest sound pressure level of unoccupied classrooms arose at St. Roses Girls (77.5 dB) and the lowest at Eastern Girls Government (47.1 dB). In further analysis by the use of the statistical test: one way ANOVA, it was proven that there were significant differences in the sound pressure levels of the occupied and unoccupied classrooms of all schools examined.

The Environmental Management Authority (EMA) standards were met (with the exception of one of the schools investigated).