How to Best Sound-Proof Your Dorm

Aim: To Determine the best material to keep out sound

Procedure:

- 2 situations to simulate the scenario:
  - A room with a large adjoining bathroom
  - A room with an attached hallway

- Speaker set on one side of the rooms while the other side was used for sound level measurements

- Volume and Tone Varied

Results:

- At a specific tone material sound absorption remained linear across volume range

- Use towels or cardboard for low frequencies and a dense muffling material for high frequencies