Proposal Outline for Science Fair Project

1. **THE TOPIC** – Pitch-matching of Junior High Boys

2. **THE RESEARCH PROBLEM**
   The ability to match pitch is one of the most fundamental skills in vocal music. The absence of this skill is one of the most challenging problems that vocal music teachers and their students face. ...

3. **PURPOSE STATEMENT**
   The purpose of this study was to compare junior high boys’ performance on a two pitch-matching tasks involving singing (production) and tuning a knob (perception) to further explore the relationship between pitch perception and pitch production. The choice of junior high boys as subjects stems from the particular difficulties some boys experience in matching pitch as they undergo the physical changes associated with vocal maturation.

4. **METHOD OF EXPERIMENT**
   Survey the school... Use a microphone to record the voices...

5. **LITERATURE**
   List of the sources used in the study...correctly cited:

   Last name, First name. “Article Title.” Website Title. Publisher of Website, Day Month Year article was published. Web. Day Month Year Article was accessed. <URL>

   Example: