

GREATER SAN DIEGO SCIENCE & ENGINEERING FAIR (GSDSEF)

CERTIFICATION OF COMPLIANCE OF RESEARCH INVOLVING HUMANS FORM (GSDSEF-3, 2015)

This form, if required, must be completed and signed before starting your project. Place it in your notebook for the GSDSEF SCREENING Fair (Use the "Tab" key to move from line to line)

The student, and all who sign this form, MUST READ AND COMPLY with the requirements for research involving humans of the California CIVIL Code, the Intel International Science and Engineering Fair (Intel ISEF) AND the Greater San Diego Science and Engineering Fair. SEE: GSDSEF RULES & REGULATIONS page 11

Student's Name (last, first, middle) Verma, Radhika Date 9/1/2014

Partners Name (Senior Division only)

School Thurgood Marshall Middle School Grade 8th

Science Teacher Mrs. Gillum

Project Title The Impact of Age and Gender on Vocal Ranges

REQUIRED CERTIFICATION SIGNATURES:

Failure to follow the rules and regulations will result in disqualification. I CERTIFY THAT

- 1. The rules and regulations of the GSDSEF, Intel ISEF and the California Civil Code will be followed and no human will be harmed or endangered in any way.
2. No subject or interviewee will be embarrassed, harmed or endangered in any way, or exposed to the possibility of injury, including physical, psychological or social injury and all subjects and interviewees will be treated with courtesy and consideration at all times.
3. No identifiable private information (including medical data) will be included.
4. A signed and dated consent form will be obtained from each subject (or if the subject is a minor, from her/his parent or guardian) or, in the case of testing done in a school classroom, from the teacher in charge.
5. ALL original consent forms should be on display in a sealed envelope at screening and kept by the student for future need (questions by GSDSEF staff; if asked to apply to California State Science Fair, etc.).
6. No copyrighted/other restricted test (or other) materials will be used without written permission of the author/owner.
7. I have previously completed and signed the Project Proposal Form GSDSEF-1, 2015 which outlines the procedures to be followed for this study.

Student's signature [Signature] Date 09-01-2014

Parent/ Guardian signature [Signature] Date 09-01-2014

Teacher signature [Signature] Date 9-1-14

Biomedical Scientist's signature if required:

Signature Degree

Telephone Date

SRC Approval

GSDSEF Consent to Participate in Science Fair Project Testing

INSTRUCTIONS: Consent is required for any testing done with human subjects in a Science fair project. Each test subject must complete this form.

Project Title The Impact of Age and Gender on Vocal Ranges

Student Conducting Project Testing Radhika Verma

School Thurgood Marshall Middle School

Below is a brief description of the Project's procedure(s) that the test subjects will be performing:

The app 'Pitch Analyzer' by Ting Wang and the app 'Virtuoso' from PeterB are going to be used as tools. The number of notes the participants hit will be measured. The subjects will be asked to sing the note that was played on the piano app, Virtuoso, by singing "la" or "ah". Their note is going to be tested by the Pitch Analyzer app. All data collected will be looked over after testing.

Human Test Subject Consent*

- I, _____ (name of test subject) understand that the student named above is conducting an experiment for a science fair project. The student has asked me to be a test subject.
- The student developing this project has explained this study to me and I voluntarily consent to be a test subject. I have my parent's or teacher's consent to participate if I am under 18 years of age.
- I realize that I can withdraw from this study at any time and there will be no negative consequences.

Test Subject Name: _____

Test Subject Age: _____

Test Subject Signature:

Test Subject Signature

Date

Parent/Guardian Signature (required if test subject is under 18 years of age):

Parent/Guardian Signature

Date

For a "whole class" experiment, Teacher signs only one consent form.

Teacher Signature

Date

all participating students completed individual permission forms.

*All Consent Forms will be filed in a secure manner to maintain confidentiality