



# 2017 NOBCCChE National Science Fair Abstract

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Category: **Biological Science**

Title: **Meaningful Dialogue Impact on Parent/Teen Relations**

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The purpose of this project is to see if teenagers who have more frequent open meaningful conversations are more open to their parents about certain topics vs. teenagers who aren't as open and have meaningful communication with their parents. The research project procedures was as: first, determine what the research will be testing, the number of participants, and on who/what it will be tested on; second make an inform consent; third determine the type of questions that should be asked to help find an answer to the research question and put it in a survey by using a website to make the survey; fourth start collecting the data; fifth use graphs, tables, etc. to find the conclusion to the research question; lastly conclude to see if the hypothesis was supported or not supported. The data showed that teenagers with meaningful dialogue overall are more comfortable discussing the questions given to them from the survey versus teenagers with no meaningful dialogue based on the average and mode for each of the questions. In addition, the t-test from the data showed that each of the questions and overall was significant allowing the null hypothesis to be rejected. Hence, the hypothesis which stated that frequent, in-depth communication with teenagers and their parents allows for a more open relationship with one another versus teenagers who don't have frequent, in-depth communications with their parents due to the statistical results found.