

## Request #: 633 - TEAL - Other

### An Examination of How a STEAM Projects Course Affects Junior High Students STEAM Career Interests and Intent

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#### **Background**

The purpose of this study was to examine how a STEAM projects course affects junior high students' STEAM career interests and intents. The study was conducted in a public school in the western United States. T-tests were performed comparing pre-survey and post-survey results for all participants, the control group, and the treatment group (participants who took a STEAM projects course). The results show a statistically significant increase in science career interests and intents for all participants, the control group, and the treatment group. Mathematics career interest was maintained at a high level as well as overall STEAM subjects career interest. There are some other interesting factors and results discussed.

#### **Sample**

Likert survey results from a pre-survey taken in the fall of 21 and then the results from a post-survey taken in the fall of 22.

#### **Hypothesis**

How does a STEAM projects course affect junior high student STEAM career interests and intent?

#### **Progress**

Data cleaning, de-identifying, and doing some t-tests.

#### **Request**

I need help knowing what tests to run and how to do the analysis well.

#### **Timeline**

Due Dec. 5th, I would like to meet within the week to get time to write it up.