

2018/19 ACCEL Grant- Project Summary

Grant Recipient: PAULA JONES, Math Teacher grades 6-8

School: Avalon Middle School, Milton, FL 32583

Title of Project: **Under Construction: STEAM Relationships (assembly required)**

PROJECT SUMMARY:

1. Total Number of Students involved in project. 75

Total Number of Low Performing Students involved in this project. 16

DAY 1: Conducted “Steam Career Fields Pre-Survey”. Assigned peer groups. Introduced project by distributing Lego STEM & Architectural sets and discussing the reciprocating roles that each group must assign/assume for successful project completion. Groups opened their LEGO box, withdrew the information booklet, discussed information packet, assigned beginning roles and **began construction!!**

DAY 2: “Under Construction—Proportional Relationships!” Students actively worked on constructing their landmarks!

DAY 3: Final touches. Peer groups put the final touches on their building and discussed the individual roles each would play in the class presentation.

DAY 4: Presentation Day! AWESOME ENVIRONMENT!! Each group used a “Show & Tell” format to describe what they discovered about their landmark. Each student within the group actively participated. ***Every group presented facts encompassing the Science, Technology, Engineering & Math components of their discoveries***

DAY 5: Final presentations and Post-Survey completions

RESULTS:

“STEAM Career Fields Pre/Post Survey” reflect the following:

My survey questions were simply written in a Yes/No format to allow students to express individual interest in 10 different STEAM career activities. Finally, each one was asked to “circle all that apply” about careers that ‘stem’ from their responses.

Pre-to Post outcomes were as followed:

Students who found STEAM career fields:

- “Exciting” “Fascinating” “Appealing” indicates an **80% INCREASE!**
- “Boring” indicates a **3% DECREASE!**
- “Something I never thought about before -to- “**Something I will consider for my future**” indicates a **23% INCREASE!!!**

Strengths:** This project THOROUGHLY engaged students! Students were eager to “play” with Legos and even excited to give ***presentations during math class??! This project introduced many of my low- income students to monuments and places that they had never heard of before. Many expressed, “I want to go there when I grow up!”

***Weaknesses:** Time. I just didn’t have enough time!

