The science, technology, engineering, and mathematics (STEM) discipline is projected to grow exponentially within the next decade (Williams, 2017).

Although women make up half the total U.S. workforce, they make up less than 30% in the science and engineering fields.

In 2013, 70% of workers in science and engineering fields were White (National Science Foundation, 2016).

Additionally, African-Americans and Hispanics pursue STEM majors at a much lower rate than their White and Asian/Pacific Islander peers (Williams, 2017).

WSU PREP is a three year summer program for 7th-9th grade students that focuses on topics in STEM to promote diversity and awareness in the field, prepare students for college, and to develop a growth mindset.

WSU PREP is a collaboration between Weber State University, Ogden School District, Weber School District, Davis School District, and several STEM job providers in the area.

Mindset
- Overall, both 7th and 8th graders had a high growth mindset. Across all groups, 7th graders had higher scores than 8th graders. Interestingly, only White 7th graders had a very high growth mindset. See Figure 1.

<table>
<thead>
<tr>
<th></th>
<th>7th Graders</th>
<th>8th Graders</th>
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</thead>
<tbody>
<tr>
<td>Overall</td>
<td>36.38</td>
<td>32.89</td>
</tr>
<tr>
<td>Males</td>
<td>36.62</td>
<td>32.67</td>
</tr>
<tr>
<td>Females</td>
<td>36.13</td>
<td>33.14</td>
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<tr>
<td>Ethnic Minorities</td>
<td>35.29</td>
<td>31.67</td>
</tr>
<tr>
<td>Whites</td>
<td>37.79</td>
<td>33.76</td>
</tr>
</tbody>
</table>

Assessments
- Pre and post assessments were given to students to test them on their problem solving skills in both grades with logic and engineering for 7th graders and algebraic structures and physics for 8th graders.

- 7th Graders: Class averages significantly improved across all three subject areas, particularly problem solving, which increased by 79%. See Figure 2.

- 8th Graders: There was a significant increase in class averages across all three subject areas. Problem solving displayed the greatest improvement. See Figure 3.

Discussion
- Students expressed they felt more confident and prepared for science and math classes because of WSU PREP.
- The program has an overall average student satisfaction rate of 95%.
- Results support the first year conclusions of the program; WSU PREP is an effective program in bringing awareness to the STEM fields as well as preparing students for classes in STEM.
- WSU PREP will carry on Summer 2017 with an analysis of the entire three year program and to determine continuation of the program in the future.