

Arizona State University

Introducing Water to High School Students

Andres Arturo Valiente-Marin DCDC ISPI Intern
Gretchen Erwin and Raymond Diaz City of Goodyear Public Works
Department
Leah Jones DCDC Graduate Student Mentor



Question

How can we inform and introduce high school students about being water efficient in Goodyear, Arizona?

Introduction

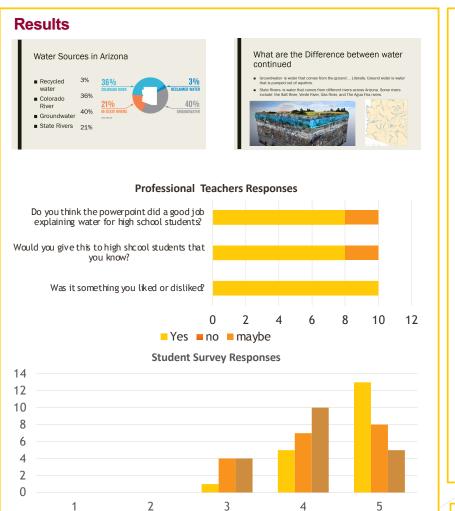
- The city of Goodyear is a fast growing city.
- Large population are kids entering high school
- The goal was to create a lesion plan designed for high school students to inform them about water in Arizona and Goodyear, and the importance of be water efficient

Methods



- A PowerPoint lesson plan was created specifically for high school students.
- 10 surveys were given to professors, Water professionals, and High school teachers
- 19 surveys were given to freshman students from North High school.

"I liked that it was engaging/ Funny"
"I liked the info about the water in
AZ, and Goodyear"



■ How intrested are you in changing you water usage now?

■ Did you think this was useful?

■ Did you think this was engaing?

Conclusion

- In conclusion the city of Goodyear is a fast growing city that is expecting to reach 115 thousand residents by 2020 and 167 thousand in 2030.
- Introducing and informing high school students about different issues that are being faced by water such as usage, where it comes from, and were it is used is important in being efficient
- All professionals surveyed liked the PowerPoint. 8 would give the PowerPoint to high school students or thought that it did a good job explaining water.
- All students that attended the PowerPoint and were surveyed showed interest with changing water usage, and thought it was both useful and engaging.

"I liked the organization of the slides and thorough explanation of concepts"

Next Steps

- The next step would be to edit the slides that were mentioned on the survey feedback.
- After editing and revision the PowerPoint the goal is to present the PowerPoint to other high schools in Goodyear.

This material is based upon work supported by the National Science Foundation under Grant No. SES-1462086, DMUU: DCDC III: Transformational Solutions for Urban Water Sustainability Transitions in the Colorado River Basin. Any opinions, findings and conclusions or recommendation expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation (NSF).