

Alpha Chi: Reaching Out
Youth Programs by
Arkansas Beta

Purpose of This Session

- 1) To inspire your chapter to reach out to the communities in your city.
- 2) To inspire communication about chapter outreach around the country.
- 3) To explore funding opportunities to make outreach cheaper and more accessible.

Play-Doh Pictionary

- 1) Break into groups of 3.
- 2) There will be 3 rounds. The first group to correctly guess the topic wins a prize.
- 3) One person will draw a card and attempt to mold the word or phrase out of play-doh. During this time, their teammates will attempt to guess what the topic **WITHOUT** seeing the card!
- 4) When your team correctly guesses the topic raise your hands and we will declare the winner.

Examples of Outreach (from Arkansas Beta)

STEM (Science, Technology, Engineering, Math)

❖ **Physics**

- The Value of Communication
- Spaghetti and Marshmallow towers
 - First without saying a word
 - Then being able to talk
 - All the groups improved when they could communicate!



❖ **Elasticity and Potential Energy**

- The popsicle sticks, when bent, store PE like a spring.

- When they let go, the sticks to fly up.



❖ ***The Atom and Elements***

- Parts of the Atom
- Emission Spectrums
- Fireworks

❖ ***Fun with Fire!***

- Flame Ion Test



- Burning Magnesium



❖ ***Chemical Reactions***

- Different Types of Reactions
- Changing Properties

❖ ***Fun with Reactions!***

- Fake Blood
- Dehydration of Sugar
- ❖ **States of Matter**
 - Differences between solids, liquids, and gases
 - How they react to physical changes
 - Phase changes
- ❖ **Solids, Liquids, and Gases! Oh My!**
 - Baking Soda and Vinegar
 - Liquid Nitrogen

Impact:

- ❖ We had 23 middle school students
- ❖ All willing to give up 3 hours on a Saturday
- ❖ It cost us less than \$50 thanks to supplies grants!

Student Quotes:

- ❖ “It was good. It didn’t feel like a waste of a Saturday.”
- ❖ “I really want you guys to come back! I loved it!”
- ❖ “I want to change the world when I grow up. You guys inspired me!”

What organizations can your chapter partner with to increase impact?

Who’s Money?

- ❖ Existing Resources
- ❖ Kluck Student Enrichment Grants

What funding opportunities can your chapter explore?

What opportunities do you have reach out to the communities in your city as a chapter?

How could you recruit students to help with your projects?



Thank you!

