

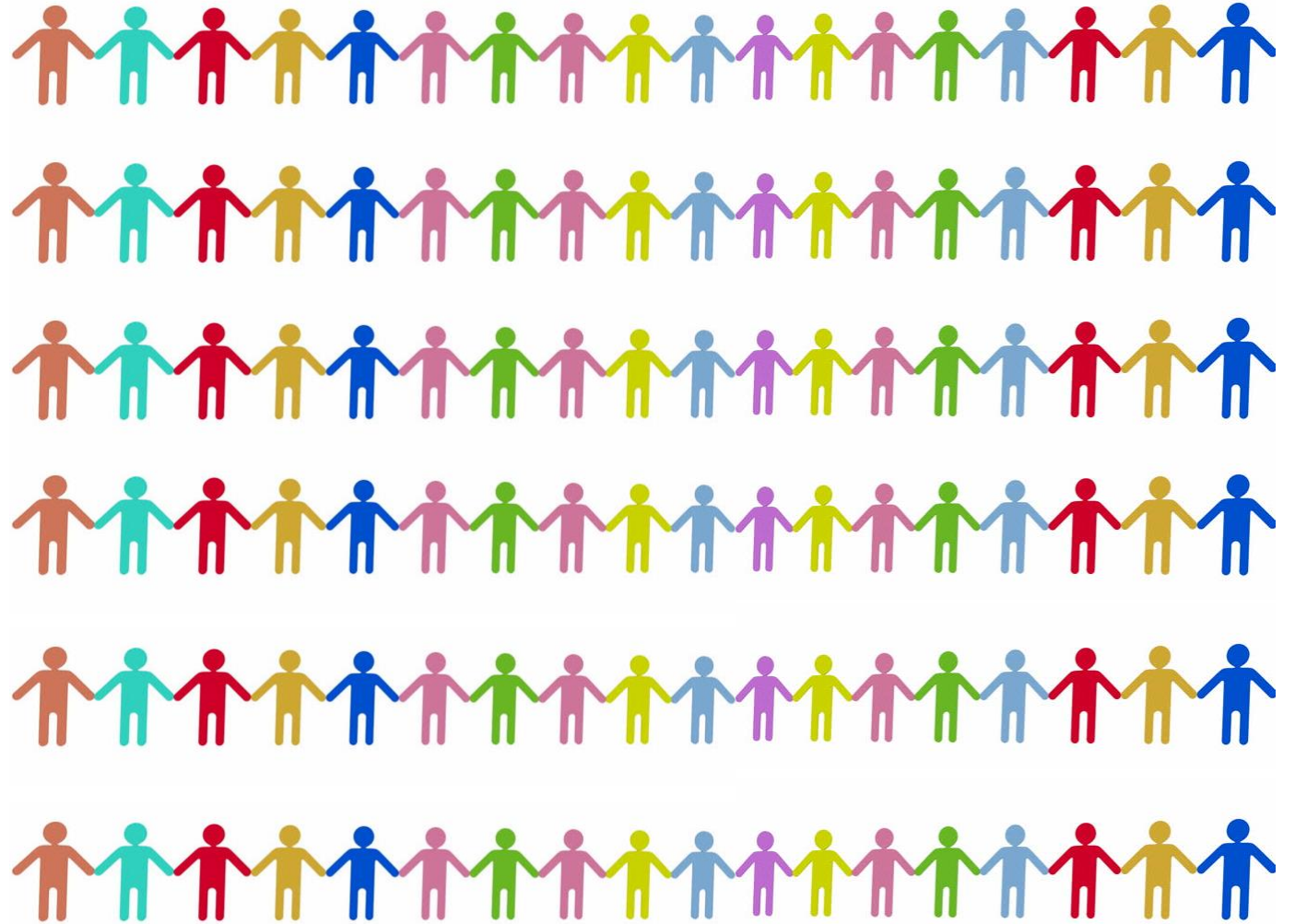
Leadership and Community Building Activities for Student Organizations

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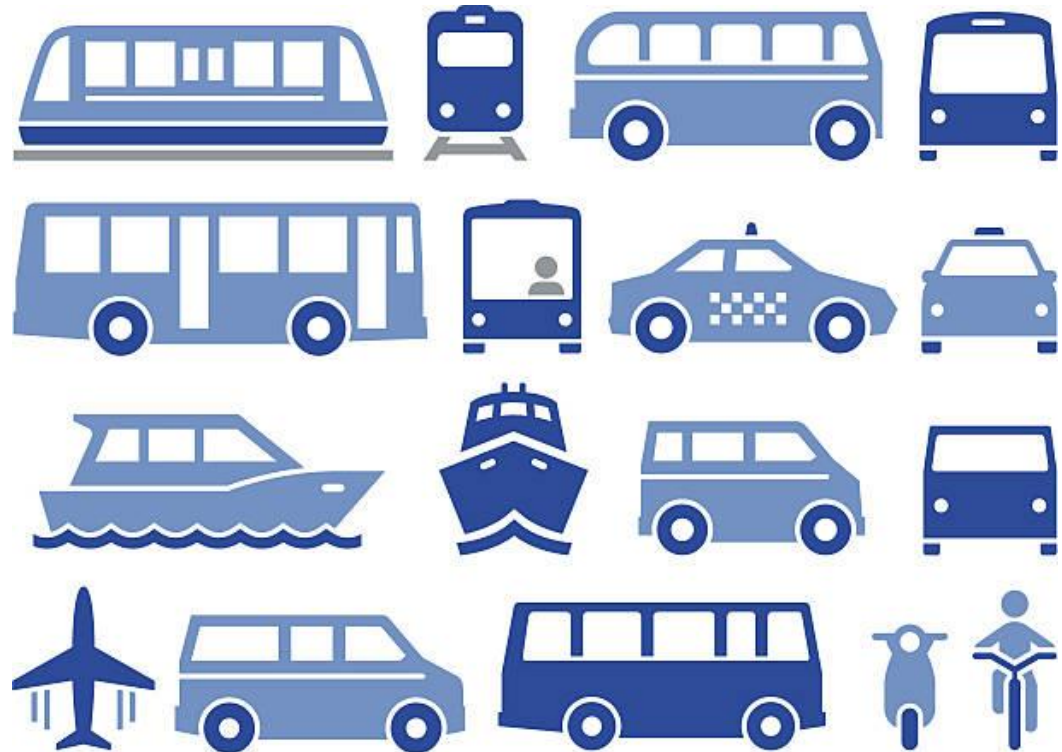
Line Up!

- Objectives—quickly get to know members of a group, facilitate conversations, and discover new connections to members of the group



Transit Oriented Line Up Ideas

- Commute times to this meeting
- Alphabetical order of your primary research area
- How old you were the first time you used public transit
- The longest distance you have travelled via bike/train/bus



Toxic Popcorn

Objectives—foster teamwork
and discussions about work
and communication styles



Toxic Popcorn Rules and Regulations

Inside the circle you will find two containers. One (melted reactor vessel) is half full of the toxic popcorn. The other (safe reactor vessel) container is available to store the fuel rods. Find a way to safely transfer the toxic popcorn from the melted reactor to the safe reactor using only the materials provided to you.

1. No one may cross the plane of the circle with any part of the body. This extends all the way to the ceiling!
2. The popcorn and containers cannot cross the plane of the circle. Only the ropes & tire tube may cross.
3. No spills are allowed, or the popcorn will explode.
4. You may use only the materials provided.
5. The popcorn must be transferred within today's total of 15 minutes.

Toxic Popcorn Reflection

- What was the initial reaction of the group?
- What skills did it take for the group to be successful?
- What would an outside observer have seen as the strengths and weaknesses of the group?
- How did the group come up with its best ideas?
- What did each group member learn about him/her self as a group member?
- What lessons did the group learn from this exercise which could be applied to future situations?



Background Narrative

At 2:46pm local time March 11, 2011 the Great East Japan Earthquake struck the Pacific Ocean about 80 km east of the city of Sendai, Japan. Approximately an hour later a 15-meter high tsunami flooded the Fukushima Daiichi Nuclear Power Plant located in Fukushima, Japan. Significant physical damage to the plant occurred from the tsunami. 12 of the 13 backup cooling generators became disabled, making it difficult to keep the reactor vessels, which house the fuel rods in a nuclear power plant, cool. The excessive heat that was generated caused the vessels to melt, releasing radiation into the water and the air. A 20,000 km evacuation zone was set up in around the power plant. In an effort to prevent any more radiation from leaving the reactor vessel, your team has been called in to transfer the fuel rods from the melted reactor vessel to another less damaged vessel. The radioactive popcorn represents the radioactive fuel rods. With radiation suits you and your team can enter the evacuation zone, but must remain outside of the “danger-zone” an area containing extremely high levels of radiation. The danger zone has a diameter of about four feet- represented by the hula hoop, and extends to the ceiling. If the radioactive popcorn is not transferred to the safe vessel, radiation will continue to enter the atmosphere and the evacuation zone will need to be expanded. You and your team will have 15 minutes to safely transfer the radioactive fuel rods (popcorn) to the new reactor vessel before the ENTIRE city of Tokyo (located 25,000 km from the plant) will need to be evacuated.

Source: <http://sjisa.org/sweeten/files/es/ES-03-energy-ToxicPopcorn.pdf>