



# Wee Play & Learn



## Wee Mentors (6+ years): Ice Lantern

### What you need:

- Large plastic cup (like a Solo cup)
- Small plastic cup
- Decorative pieces like pompoms, beads, pipe cleaners (especially the glittery ones!)
- Food coloring
- Tape
- Water
- A freezer or it needs to be below zero outside
- Battery operated candle

### What to do:

1. The first step is to decide on your decorations. This is the engineering challenge!
2. Twist the pipe cleaner so it spirals up in the large plastic cup.
3. Add pom poms and beads as decorations, possibly placing them on the top of the pipe cleaners.
4. Slide the small cup inside the large cup. Tape it into place so the top of the cups are flush with each other. Four pieces of tape works well to keep it secure.
5. Carefully start to add water between the two cups so the water only goes into the larger cup. You may need to add weight to the small cup so that it does not float up.
6. Add food colour to the water
7. Place in the freezer overnight
8. Carefully remove the inside plastic cup, then the outer plastic cup. You may need to cut the cups to get them off.
9. Place a battery-operated candle inside your iced lantern



Note: Once it is frozen take a moment to look at your creation with your child and discuss what they see or notice. You should notice that despite the tape and the weights the smaller cup is higher, and the ice is to the top of the large cup. This is due to water expanding as it freezes. This is a fantastic opportunity to see this in practice and discuss what happens when water changes states.

Source: <https://bit.ly/2SiUF9S>

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